

# **Vital Statistics Report Lancaster County, Nebraska 2001**

**LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT**

*3140 N Street  
Lincoln, NE 68510*

**Bruce D. Dart, MS**  
Health Director

**DIVISION OF EPIDEMIOLOGIC SERVICES**  
**(402) 441-6271**

**Pramod Dwivedi, MSW, MS,**  
Public Health Epidemiologist

**S. Waker Moazzem, MBBS, MPH**  
Asst. Public Health Epidemiologist

**Jim Platt**  
Epi/G.I.S. Analyst

**Padmanabha Raju Kakarlapudi**  
Epidemiology Intern

# TABLES OF CONTENTS

	<b>PAGE</b>
<b>Table of Contents</b>	<b>iii-iv</b>
<b>List of Tables</b>	<b>v-vii</b>
<b>List of Figures</b>	<b>viii-x</b>
<b>Introduction</b>	<b>1</b>
<b>Birth Statistics</b>	<b>4</b>
<b>Birth Rate</b>	<b>5</b>
<b>Fertility Rate</b>	<b>5</b>
<b>Total Live Births</b>	<b>5</b>
<b>Race and Ethnic Origin</b>	<b>6</b>
<b>Birth Weight</b>	<b>8</b>
<b>Low Birth Weight</b>	<b>9</b>
<b>Birth Defects</b>	<b>11</b>
<b>Prenatal Care</b>	<b>14</b>
<b>Parent Demographics</b>	<b>16</b>
<b>Teenage Mothers</b>	<b>16</b>
<b>Non-Marital Births</b>	<b>17</b>
<b>APGAR Scores</b>	<b>17</b>
<b>Attendant at Birth</b>	<b>18</b>
<b>Multiple Births</b>	<b>18</b>
<b>Death Statistics</b>	<b>24</b>
<b>Crude Death Rate</b>	<b>25</b>

<b>Total Number of Deaths</b>	<b>25</b>
<b>Leading Causes of Death</b>	<b>26</b>
<b>Infant Mortality Rate</b>	<b>31</b>
<b>Fetal Deaths</b>	<b>33</b>
<b>Crude and Age-Adjusted Rates for the Three Leading Causes of Death</b>	<b>33</b>
<b>Unintentional Injury Deaths</b>	<b>35</b>
<b>Disposition and Place of Deaths</b>	<b>35</b>
<b>Marriage and Divorce Statistics</b>	<b>42</b>
<b>Marriage Rate</b>	<b>43</b>
<b>Marriage by Age and Race</b>	<b>43</b>
<b>Education</b>	<b>44</b>
<b>Divorce Rate</b>	<b>44</b>
<b>Divorce by Age and Race</b>	<b>44</b>
<b>Settlement</b>	<b>44</b>
<b>Children of Divorce and Custody</b>	<b>45</b>
<b>Definitions</b>	<b>47-48</b>

# LIST OF TABLES

## Birth

<b>Table 1. Births by Month Lancaster County, 2001</b>	<b>6</b>
<b>Table 2. Births by Race and Ethnic Origin Lancaster County, 2001</b>	<b>7</b>
<b>Table 3. Comparison of Resident Birth Statistics by Race and Ethnic Origin Lancaster County, 2001</b>	<b>8</b>
<b>Table 4. Births by Weight of Child Lancaster County, 2001</b>	<b>8</b>
<b>Table 5. Low Weight Births by Marital Status Lancaster County, 2001</b>	<b>10</b>
<b>Table 6. Low Weight Births by Age of Mother Lancaster County, 2001</b>	<b>10</b>
<b>Table 7. Birth Defects by Race Lancaster County, 2001</b>	<b>12</b>
<b>Table 8. Birth Defects by Age of Mother Lancaster County, 2001</b>	<b>12</b>
<b>Table 9. Birth Defects by Number and Rate Per 1000 Live Births Lancaster County, 2001</b>	<b>13</b>
<b>Table 10. Number of Prenatal Visits Lancaster County, 2001</b>	<b>14</b>
<b>Table 11. Mean Age of Mother by Birth Order and Marital Status Lancaster County, 2001</b>	<b>16</b>
<b>Table 12. Non-Marital Births by Age of Mother Lancaster County, v</b>	<b>18</b>
<b>Table 13. Summary of Resident Birth Statistics Lancaster County, 1984 to 2001</b>	<b>20-21</b>

## **Death**

<b>Table 14. Deaths by Month Lancaster County, 2001</b>	<b>26</b>
<b>Table 15. Average Age of Death by Sex by Selected Cause Lancaster County, 2001</b>	<b>26</b>
<b>Table 16. Deaths by Age and Sex Lancaster County, 2001</b>	<b>28</b>
<b>Table 17. Causes of Death and Crude Rate per 100,000 Population Lancaster County, 2001</b>	<b>29</b>
<b>Table 18. Comparison of the Six Leading Causes of Death Lancaster County vs. the State of Nebraska, 1997</b>	<b>30</b>
<b>Table 19. Six Leading Causes of Death by Sex Lancaster County, 2001</b>	<b>31</b>
<b>Table 20. Cancer by Type and Sex Lancaster County, 2001</b>	<b>32</b>
<b>Table 21. Suicides by Type and Age Group Lancaster County, 2001</b>	<b>32</b>
<b>Table 22. Infant Deaths by Race and Sex Lancaster County, 2001</b>	<b>33</b>
<b>Table 23. Infant Deaths by Cause by Sex Lancaster County, 2001</b>	<b>33</b>
<b>Table 24. Unintentional Injury Deaths by Principal Cause Lancaster County, 2001</b>	<b>35</b>
<b>Table 25. Disposition of Body Lancaster County, 2001</b>	<b>35</b>
<b>Table 26. Place of Death Lancaster County, 2001</b>	<b>35</b>
<b>Table 27. Leading Causes of Death by Age Lancaster County, 2001</b>	<b>36</b>
<b>Table 28. Five Leading Causes of Death by Race</b>	

<b>Lancaster County, 2001</b>	<b>37</b>
<b>Table 29. Life Table for Lancaster Population Lancaster County, 2001</b>	<b>37</b>
<b>Table 30. Life Table for Lancaster Male Population Lancaster County, 2001</b>	<b>38</b>
<b>Table 31. Life Table for Lancaster Female Lancaster County, 2001</b>	<b>38</b>
<b>Table 32. Life Table for Lancaster White Population Lancaster County, 2001</b>	<b>37</b>
<b>Table 33. Life Table for Lancaster Black Population Lancaster County, 2001</b>	<b>38</b>
<b>Table 34. Life Table for Lancaster American Indian Population Lancaster County, 2001</b>	<b>38</b>
<b>Table 35. Life Table for Lancaster White Population Lancaster County, 2001</b>	<b>39</b>
<b>Table 36. Summary of Resident Death Statistics Lancaster County, 1984 to 2001</b>	<b>40</b>

## **Marriage and Divorce**

<b>Table 37. Marriages by Month Lancaster County, 2001</b>	<b>43</b>
<b>Table 38. Marriages by Sex and Race Lancaster County, 2001</b>	<b>45</b>
<b>Table 39. Marriage/Divorce Ratio Lancaster County, 2001</b>	<b>45</b>
<b>Table 40. Number of Times Married at Time of Divorce Lancaster County, 2001</b>	<b>46</b>

<b>Table 41. Types of Settlements</b>	
<b>Lancaster County, 2001</b>	<b>46</b>

## **LIST OF FIGURES**

### **Birth**

<b>Figure 1. Comparison of Birth Rates</b>	
<b>Lancaster County and Nebraska, 1980 to 2001</b>	<b>5</b>
<b>Figure 2. Fertility Rate</b>	
<b>Lancaster County, 1981 to 2001</b>	<b>6</b>
<b>Figure 3. Comparison of Birth Statistics by Race and Ethnic Origin</b>	
<b>Lancaster County, 2001</b>	<b>7</b>
<b>Figure 4. Low Birth Weight by Age of Mother</b>	
<b>Lancaster County, 2001</b>	<b>9</b>
<b>Figure 5. Low-Weight Births by Smoking and Drinking Status</b>	
<b>Lancaster County, 2001</b>	<b>11</b>
<b>Figure 6. Prenatal Care</b>	
<b>Lancaster County, 1982 to 2001</b>	<b>14</b>
<b>Figure 7. Care in First Trimester by Age of Mother</b>	
<b>Lancaster County, 2001</b>	<b>15</b>
<b>Figure 8. Trimester When Prenatal Care Began by Marital Status</b>	
<b>Lancaster County, 2001</b>	<b>16</b>
<b>Figure 9. Mean Age of Mother and Father</b>	
<b>Lancaster County, 1981 to 2001</b>	<b>15</b>
<b>Figure 10. Percent of Births to Women Age 25 and Over</b>	
<b>Lancaster County, 1981 to 2001</b>	<b>18</b>
<b>Figure 11. Births by Age of Mother and Father</b>	
<b>Lancaster County, 2001</b>	<b>17</b>
<b>Figure 12. Non-Marital Birth Rate</b>	
<b>Lancaster County, 1981 to 2001</b>	<b>19</b>

<b>Figure 13. Mean APGAR Scores by Gender and Race Lancaster County, 2001</b>	<b>19</b>
---	-----------

## **Death**

<b>Figure 14. Comparison of Death Rates Lancaster County and Nebraska, 1981 to 2001</b>	<b>25</b>
---	-----------

<b>Figure 15. Mean Age of Death for Male and Female Lancaster County, 1981 to 2001</b>	<b>27</b>
--	-----------

<b>Figure 16. Leading Causes of Death Lancaster County, 2001</b>	<b>28</b>
--	-----------

<b>Figure 17. Infant Mortality Rate Lancaster County, 1984 to 2001</b>	<b>30</b>
--	-----------

<b>Figure 18. Fetal Death Rate Lancaster County, 1981 to 2001</b>	<b>34</b>
---	-----------

## **Marriage and Divorce**

<b>Figure 19. Comparison of Marriage Rate Lancaster County and Nebraska, 1991 to 2001</b>	<b>43</b>
---	-----------

<b>Figure 20. Comparisons of Divorce Rate Lancaster County and Nebraska, 1991 to 2001</b>	<b>43</b>
---	-----------



# INTRODUCTION

This is the twenty-fourth annual Lancaster County Vital Statistics Report published by the Lincoln-Lancaster County Health Department (LLCHD). This report contains vital statistics data for the 2001 calendar year. In addition to birth and death statistics, this report contains 2001 marriage and divorce data for Lancaster County. Information contained in this report is based on the vital records of the State of Nebraska, which were sent to LLCHD by the Data Management Section, Nebraska Health and Human Services System.

Historical data, Year 2010 Objectives, and data for Nebraska have been used where relevant to show trends and comparisons. Birth and mortality rates are calculated using population estimates from the U.S. Census. The 2000 population of Lancaster County was set at 250,291 by 2000 US census Data.

Data provided by the Nebraska Birth Defects Registry were used to examine trends of congenital anomalies and their distribution by age and race of the mother. Since 1999 the death certificate have been using new cause of death classification. This new classification is the tenth revision of International Classification of Disease (ICD-10), which replaced ICD-9. The ICD-9 was in use during 1979-1998.

Age adjusted rates are used to examine the difference in death rates from year to year. Adjusted rates are also utilized to compare county deaths with those of the State.

This report is divided in three different sections: 1) Birth Statistics, 2) Death Statistics, and 3) Marriage and Divorce Statistics.

## **Birth Statistics**

This section presents year 2001 birth data for Lancaster County, Nebraska, according to a wide variety of characteristics. Presented data are for demographic characteristics (age, live birth order, race, Hispanic origin, marital status, and educational attainment); maternal characteristics (medical risk factors, weight gain, tobacco and alcohol use); medical care utilization by pregnant women (prenatal care, obstetric procedures, complication of labor or delivery, attendant at birth, and method of delivery); and infant characteristics (period of gestation, birth weight, Apgar score, abnormal conditions, and multiple births). Birth and fertility rates are also presented by age, live birth order, race, Hispanic origin and marital status. Trends in birth, fertility, maternal, and infant characteristics are described and interpreted. In addition, birth defects found among the infants are also discussed.

This section covers description tabulation of data reported on birth certificates of the 3,708 births that occurred in Lancaster County in 2001.

## **Death Statistics**

This section presents year 2001 death certificate data of Lancaster County, Nebraska. Based on the characteristics of the deceased. It discusses leading causes of death, infant mortality, and fetal deaths. Also presented in this section, unintentional injury death, disposition and place of death, trends in death (gender specific), infant mortality rate, fetal death rate.

This section provides descriptive tabulations of age-adjusted rates (for comparison) of data reported on death certificates of the 1,681 deaths that occurred in Lancaster County in 2001.

## **Marriage and Divorce Statistics**

Marriage and divorce section provides a descriptive summary of the 1,936 marriages and 926 divorces that took place in Lancaster County in 2001. Marriages and divorces are described according to age, race and education. A profile of children of the divorcees is also presented.

## **Highlights**

- ★ Infant mortality rate (IMR) for non-white children increased from last year. The IMR for non-white was 13.8 deaths per 1,000 live births compared with 6.3 white deaths per 1,000 live births.
- ★ After a three consecutive year increase, birth rate remain about the same for this year.
- ★ Both number and rate of low-birth weight babies decreased compare to last year.
- ★ Cancer becomes number one killer again. (In 1999, for the first time, cancer was the leading cause of death.)
- ★ Increasing number of women having children at older ages.
- ★ Steady increase in non-marital births since 1978 from 98 per 1,000 to 262 per 1,000 women. Non-marital births were the highest among the Black and American-Indian mothers at 65.3% and 63%. Non-marital births for Hispanic and White were 47.6% and 24.4% respectively. Asians had the lowest rate of non-marital births at 17.9%.
- ★ Infants born with low birth weight had higher chance of having birth defects (6.8%) than infants born with normal birth weight (3%).

## ACKNOWLEDGMENT

Appreciation is expressed to the Nebraska Health and Human Services System, Section of Data Management for providing the data upon which this report is based.

Please direct comments or recommendations to:

Email: [epi@ci.lincoln.ne.us](mailto:epi@ci.lincoln.ne.us)

Telephone: 402/441-6271

Fax: 402/441-8323

This report is available on our Website (Please Click the Link Below).  
<http://www.ci.lincoln.ne.us/city/health/admin/epi/vitstat.htm>

# **BIRTH STATISTICS**

## BIRTH RATE

In 2001, the crude birth rate for Lancaster County was 14.7 per 1,000 population. The 2001 crude birth rate for Nebraska was 14.5 per 1,000 population.

Figure 1 illustrates the birth rate trends for Lancaster County and the State of Nebraska from 1980 to 2001.

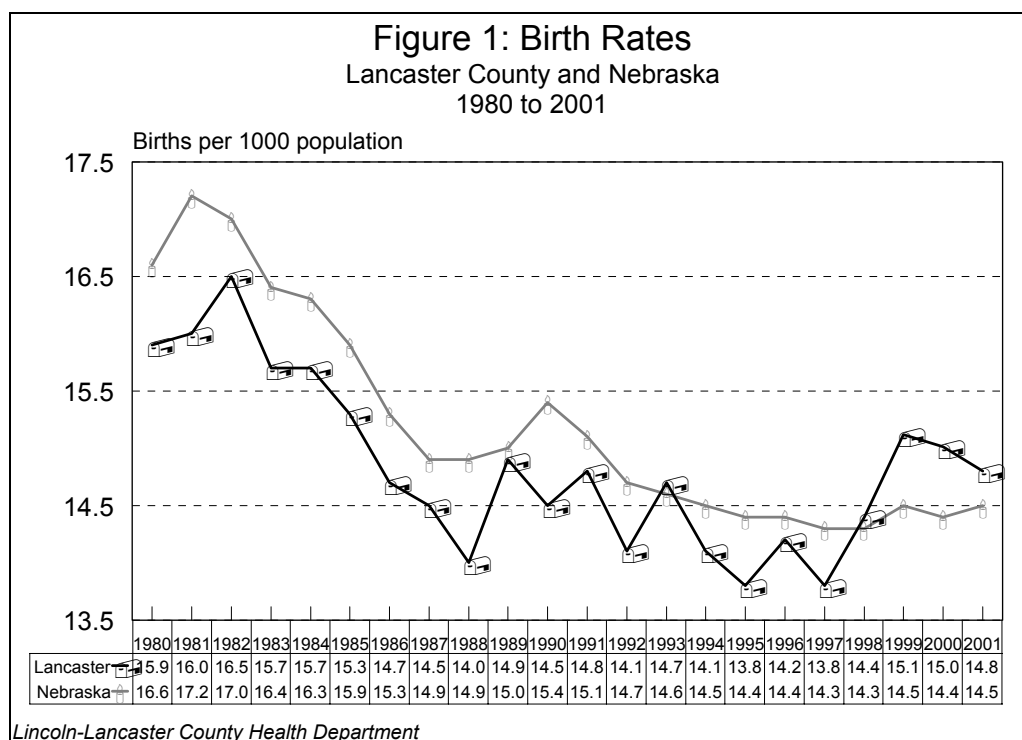
## FERTILITY RATE

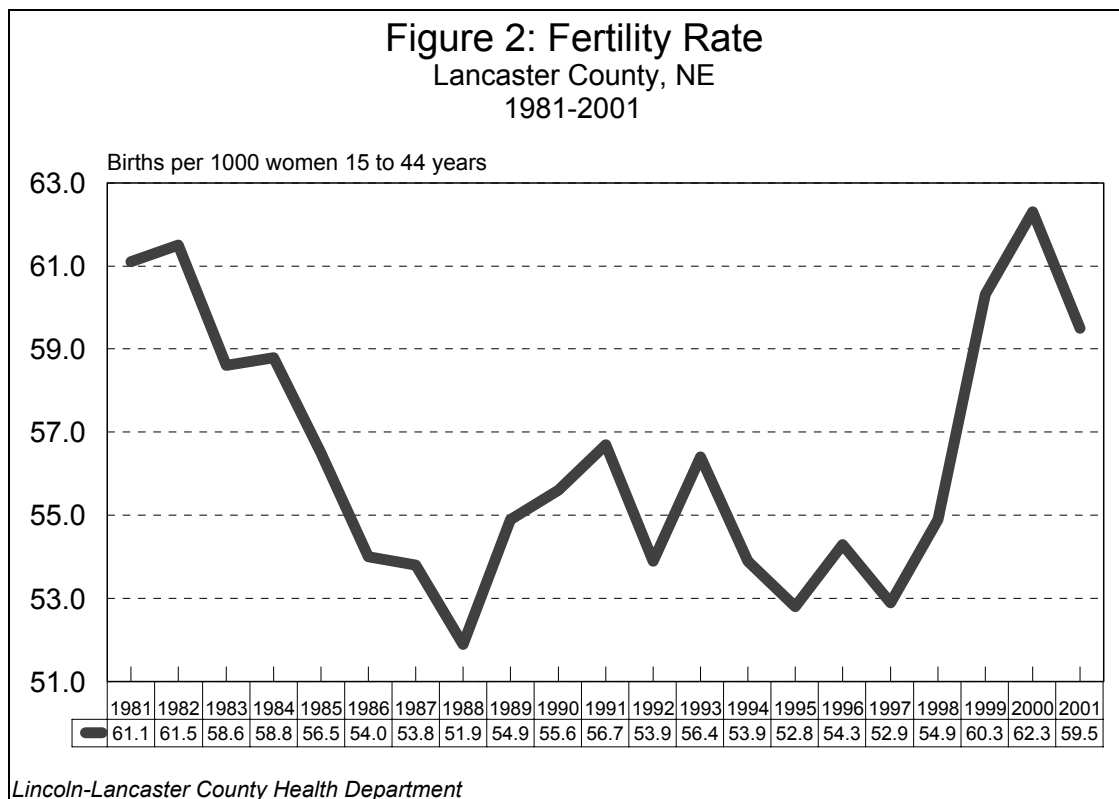
The Lancaster County fertility rate (births per 1,000 women age 15 to 44) for 2001 was 59.5. The first time decrease in four years. The highest rate was recorded last year (62.3).

## TOTAL LIVE BIRTHS

A total of 3,708 live births were recorded among Lancaster County women in 2001. This number is consistent with the gradual increase in annual births that have occurred since 1988, when there were 2,968 births.

In Lancaster County, Lincoln residents represented 93.4 percent of all live births, with 6.6 percent distributed among Lancaster County residents outside the Lincoln city limits. The most frequent month of birth was November followed by June and September (Table 1).





## SEX OF CHILD

The number of male births continue to surpass the number of female births (except for 1987 and 1998). Of the 3,708 total live births, 1,874, or 50.5 percent, were males and 1,834, or 49.5 percent were females.

## RACE/ETHNIC ORIGIN

In 2001, 89.7 percent of all births were White, 3.6 percent were Black, 1.2 percent were American Indian and 4.9 percent were Asian. Latinos represented 5.7 percent of all births (Table 2).

Over the past decade, the percentage of all

Lancaster County births which are of minority race or Latino ethnicity have increased from 9.4 percent in 1991 to 15.5 percent in 2001.

Month	Frequency	Percent
January	313	8.4
February	306	8.3
March	306	8.3
April	308	8.3
May	323	8.7
June	290	7.8
July	286	7.7
August	296	8
September	292	7.9
October	320	8.6
November	337	9.1
December	331	8.9
<b>Total</b>	<b>3708</b>	<b>100.0</b>

**TABLE 2.**  
Births by Race and Ethnic Origin  
Lancaster County, 2001

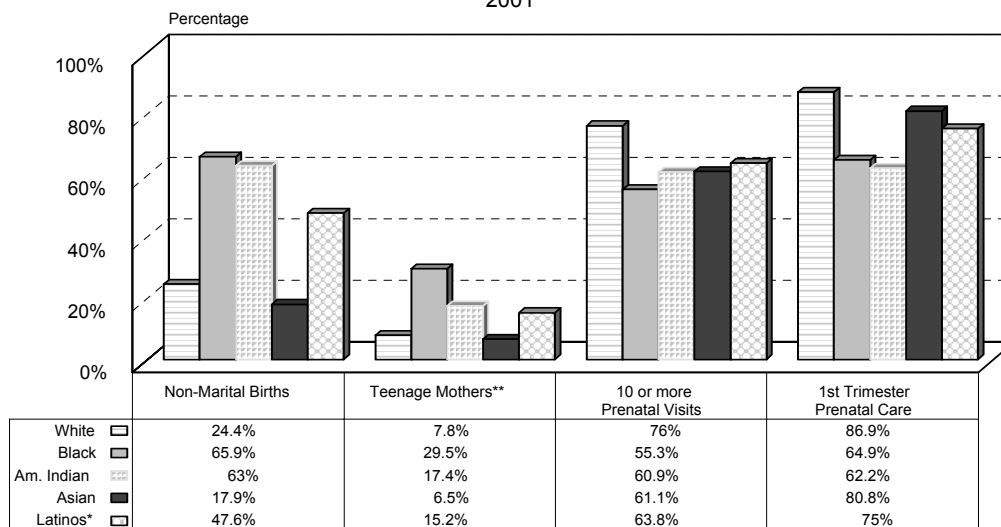
Race	Frequency	Percent
White	3326	89.7
Black	132	3.6
American Indian	46	1.2
Asian	184	5
Unknown/Other	20	0.5
<b>Total</b>	<b>3708</b>	<b>100</b>
Latino**	210	5.7

\*Race of the Child is determined by the race of the mother  
\*\*Latinos may be of any group

The national and the State of Nebraska birth statistics identify the race of birthed children solely upon the race of the mother. For comparison purposes, the Lincoln-Lancaster County Health Department also defines the race of the child by the race of the mother for purposes of birth statistics. In our report, Hispanic (Latino) origin is considered ethnicity (not race), which is consistent with current statistical practices throughout the nation. This distinction also allows for better comparison with state and national data.

Figure 3 illustrates non-marital and teenage birth statistics by race of mother. The graph also illustrates variation by race in the percentage of women receiving prenatal care in the first trimester and those who had ten or more prenatal visits during a pregnancy. Each of these issues will be discussed under their respective subject headings.

Figure 3: Comparison of Birth Statistics by Race and Ethnic Origin  
Lancaster County, NE  
2001



\*Latinos may be of any race

\*\* Under 20 years of age.

Lincoln-Lancaster County Health Department

**Table 3.**  
**Comparison of Resident Birth Statistics**  
**by Race and Ethnic Origin**  
**Lancaster County, 2001**

	WHITE	BLACK	AM. INDIAN	ASIAN	OTHER	TOTAL	*Latino
<b>Number of live Births</b>							
Male	1676	64	28	95	11	1874	108
Female	1650	68	18	89	9	1834	102
Total	3326	132	46	184	20	3708	210
<b>Percent of total Live Births</b>	<b>89.7</b>	<b>3.6</b>	<b>1.2</b>	<b>5</b>	<b>0.5</b>	<b>100</b>	<b>6.1</b>
<b>Birth Weight:</b>							
Mean Birth Weight (lb/oz)	7/8	6/8	7/8	6/7	7/10	7/8	7/7
Percent of Low Birth wt.	6	12.9	4.3	7.1	0	6.3	6.7
<b>Prenatal Care</b>							
10 or More Parental Visits(%)	76.2	55.3	60.9	64.1	75	74.5	63.8
Receiving care in 1st Trimester	86.5	64.4	60.9	79.9	85	85.1	74.3
<b>Age of Mother</b>							
Percent of Mother's Age							
Under 20	7.8	29.5	17.4	6.5	10	8.7	15.2
20-24	24	31.1	30.4	16.3	35	24	38.1
25-29	30.9	20.5	30.4	31	35	30.5	27.1
30 & Over	37.3	18.9	21.7	46.2	20	36.8	19.5
<b>Non Marital Births:</b>							
Number	812	87	29	33	9	970	100
(%) Non-Marital Births	24.4	65.9	63	17.9	45	26.2	47.6
Over all share of Non-Marital Births(%)	83.7	9	3	3.4	0.9	100	10.3

Note: Statistics are based on the race of the mother.

\*Latinos may be of any Race

\*\*Percentages may not add to 100 because of rounding

**Table 4.**  
**Births by Weight of Child**  
**Lancaster County, 2001**

Weight of Child	Frequency	Percent
1lb & under	3	0.1
1lb.1oz-2lb	16	0.4
2lb.1oz-3lb.8oz	39	1.1
3lb.9oz- 4lb.8oz	31	0.8
4lb.9oz- 5lb.8oz	143	3.9
5lb.9oz-5lb.15oz	166	4.5
6lb- 6lb.15oz	780	21
7lb-7lb.15oz	1375	37.1
8lb-8lb.15oz	917	24.7
9lb-9lb.15oz	204	5.5
10lb-10lb-15oz	29	0.8
11lbs & over	5	0.1
Total Births	3708	100.00

Lincoln-Lancaster County Health Department

## BIRTH WEIGHT

In 2001, the mean birth weight was 7 lbs. 8 oz. The mean birth weight has remained fairly stable for the past 15 years. Table 4 lists the frequency of births by weight of child. Over 80 percent of all children weighed between 6 lbs. and 8 lbs. 15 oz at birth.



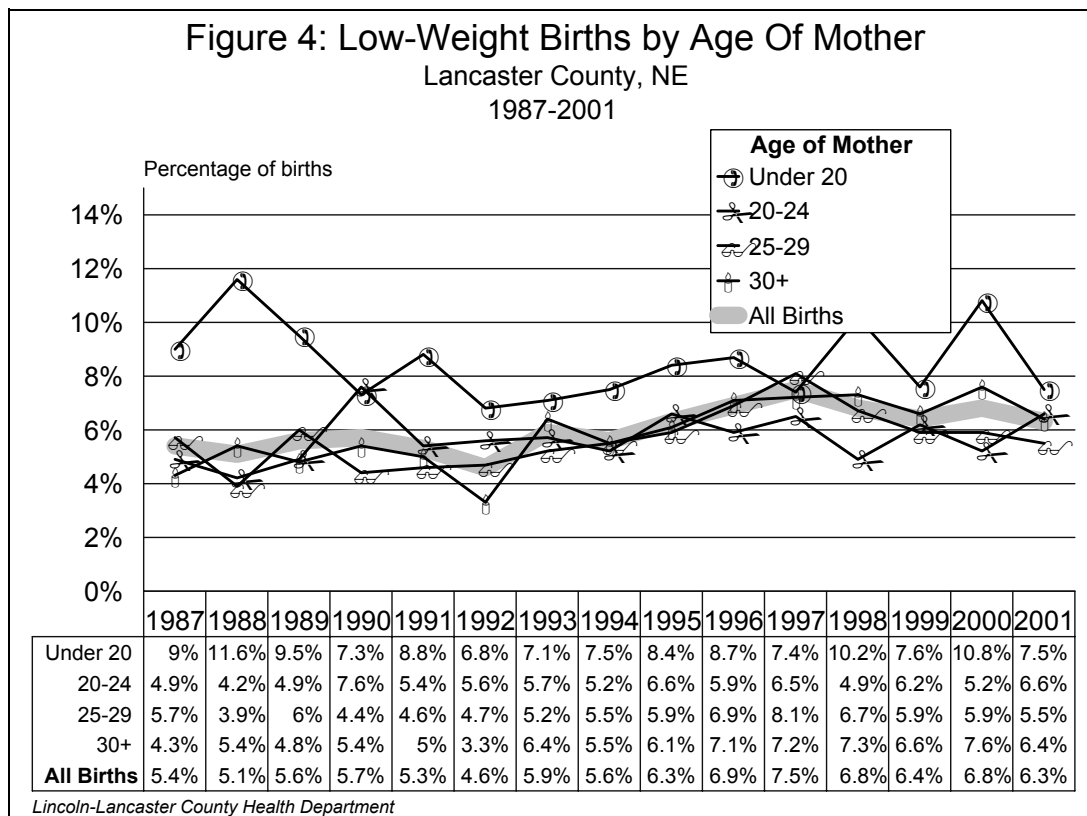
## RACE AND ETHNIC ORIGIN OF CHILD

The mean birth weight for Whites was 7 lbs. 8 oz. This compares to 6 lbs. 8 oz. for Blacks, 7 lbs. 8 oz. for American Indians, 6 lbs. 7 oz for Asians and 7 lbs. 7oz. for Latinos.

## LOW BIRTH WEIGHT

There were 233 low birth weight babies (5 lbs. 8 oz. or less) born in 2001, accounting for 6.3 percent of all live births, nearly a half percent decrease ( See Appendix1).

The Lancaster County Health Objective for the Year 2010 is to reduce the proportion of low births in our community to 5.0 percent of all live births.



## MARITAL STATUS

Among married women, 6.3 percent (162/2576) had low birth weight babies, compared to 7.9 percent (71/899) among unmarried women. (Table 5).

**Table 5.**  
Low-Weight Births by Marital Status  
Lancaster County, 2001

Weight of the Child	MARRIED		UNMARRIED	
	Frequency	Percent	Frequency	Percent
Low Birth Weight (5lbs 8 oz and under)	162	6.3	71	7.9
Normal Birth Weight (Over 5lb 8 oz)	2576	93.7	899	92.1
<b>Total:</b>	<b>2823</b>	<b>100.0</b>	<b>935</b>	<b>100.0</b>

*Lincoln-Lancaster County Health Department*

## AGE OF MOTHER

In 2001, teenage mothers were more likely to have a low birth weight baby (7.5 %) compared to other age groups (6.2 %) (Table 6 and Figure 4).

**Table 6.**  
Low-Weight Births by Age of Mother  
Lancaster County, 2001

Age of Mother	Total Live Births	Low Weight Births	%of Low Weight by Age Groups**	% of Age Group Low weight***
Under 20	322	24	10.3	7.5
20-24	889	59	25.3	6.6
25-29	1132	62	26.6	5.5
30 & Over	1365	88	37.8	6.4
Total	3708	233	100	6.3

*Lincoln-Lancaster County Health Department*

\*\*Percentages in this Column reflect low-weight births by age-group

\*\*\* Percentages in this column reflect the births within the age group that were low-weight.

## RACE AND ETHNIC ORIGIN OF CHILD

In 2001, low birth weight births comprised 6.0 percent of White births, 12.9 percent of Black births, 4.3 percent of American Indian births, 5.8 percent of Asian births and 3.0 percent of Latino births. These numbers show a decrease in low birth weight from the previous year (2000) for all races. From 1989 to 2000, low birth weight increased from 5.0 percent to 7.0 percent and stands at 6.0 percent in 2001 for White infants, and decreased from 15.4 percent to 12.9 percent during 1989 to 2001 for Black infants.

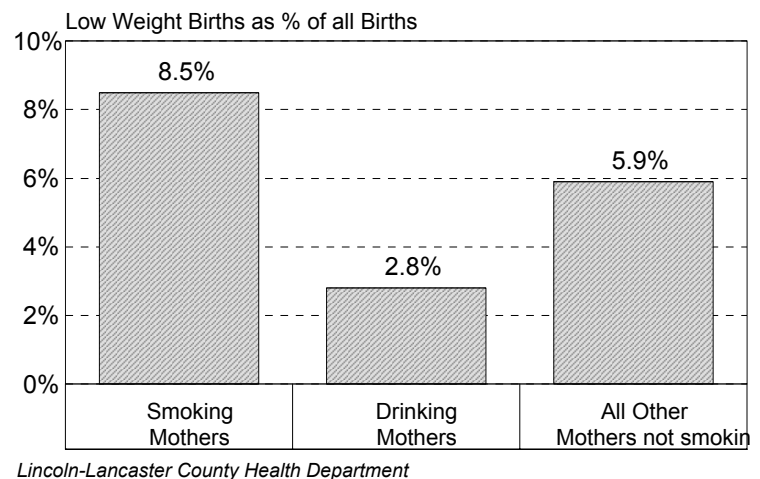
## ALCOHOL USE

In 2001, 36 (1 %) Lancaster County births were to mothers who reported the consumption of alcohol at least once during pregnancy. This shows a slight increase in alcohol consumption from 2000 (0.8 %). Mothers who consumed alcohol during pregnancy reported a median of 1.0 drinks per week. Among mothers who consumed alcohol during pregnancy, 2.8 of births were of low weight (Figure 5).

## TOBACCO USE

In 2001, 555 (15%) Lancaster County births were to mothers who reported smoking during pregnancy, indicating a slight decrease from the 15.3 percent reported in 2000. Among mothers who reported smoking during pregnancy in 2001, a mean of 9.6 with a median of 10.0 cigarettes were smoked per day. The

Figure 5: Low-Weight Births  
By Smoking and Drinking Status  
Lancaster County, NE, 2001



Lancaster County Health Objective for the Year 2010 is to decrease the percentage of women who smoke during pregnancy to 2.0 percent. Among mothers who reported smoking during pregnancy, 8.5 percent of births were of low weight (Figure 5), compared to 5.9 percent for mothers who reported not smoking.

## ALCOHOL AND TOBACCO USE

Thirteen mothers (0.4%) reported using both alcohol and tobacco during pregnancy. In this group, no births were of low weight.

## BIRTH DEFECTS (Congenital Anomalies)

According to the 2001 Nebraska Birth Defects Registry, there were 122 live births with birth defects in Lancaster County (3.3 % of all births). Among these births, the number of defects was 185. Anomalies

of the musculoskeletal system (42) were the most common type of defect reported, followed by defects of the genital organs (29), heart (25) and lip and palate(11), (Table 9).

Males represented 64.8 percent (79) of children born with these birth defects, and females represented 35.2 percent (43).

Of the 233 infants born with low birth weight in 2001, 6.8 percent (16) had birth defects. Among babies who were not of low birth weight, 3 percent (106) had birth defects.

## RACE OF CHILD

Among all live births with defects, 89.3 percent were White, 3.8 percent Black, 1.6 percent American Indian and 2.5 percent were Asian.

Of all Black births in 2001, 1.5 percent had birth defects. This compares to 3.3 percent among Whites, and 4.3 percent among Asians. 6.5 percent birth defects were reported among American Indian children (Table 7).

## AGE OF MOTHER

Birth defects affected 3.7 percent of babies born to mothers 30-34years old. This compares to 3.3 percent of babies born to mothers of all other ages (Table 8).

**Table 7.**  
Birth Defects by Race  
Lancaster County,2001

Race	Total Births	No. Births with Defects	Percentage of Race Group
White	3326	109	3.3
Black	132	2	1.5
Am. Indian	46	3	6.5
Asian	184	8	4.3
Other	20	0	0
Total	3708	122	3.3

*Lincoln-Lancaster County Health Department*

**TABLE 8.**  
Birth Defects by Age of Mother  
Lancaster County, 2001

Age Group	Total Births	Freq. Births with Defects	Percent of age group
10-14	3	0	0
15 - 19	319	11	3.4
20 - 24	889	28	3.1
25 - 29	1132	36	3.2
30 - 34	943	35	3.7
35 - 39	339	11	3.2
40 and Older	83	1	1.2
Total	3708	122	3.3

*Lincoln-Lancaster County Health Department*

**TABLE 9.**  
**Birth Defects by Number and**  
**Rate Per 1000 Live Births**  
**Lancaster County, 2001**

Type of Defects	Number	Rate*
Musculoskeletal System	42	11.3
Genital Organs	29	7.8
Anomalies of the Heart	25	6.7
Cleft Lip-Palate	11	3
Urinary System	10	2.7
Circulatory System	9	2.4
Other Upper Alimentary	6	1.6
Digestive System	6	1.6
Anomalies of Skin, Hair and Nails	6	1.6
Down's Syndrome	6	1.6
Club Foot	5	1.3
Respiratory System	4	1.1
Abdominal Cavity	3	0.8
Other Chromosome	3	0.8
Hemangioma, Lymphangioma	2	0.5
Multiple Systems	2	0.5
Spina Bifida	1	0.3
Hydrocephalus	1	0.3
Other Central Nervous System	1	0.3
Anomalies of the Eye	1	0.3
Anomalies of Ear, Face and Neck	1	0.3
Metabolic Blood	1	0.3
Unspecified	10	2.7
Total	185	49.9

*Lincoln-Lancaster County Health Department*

\*Rate per 1,000 live births.

# PRENATAL CARE

## TEN OR MORE PRENATAL VISITS

The percentage of mothers known to have had ten or more prenatal visits was 74.5 percent in 2001 (Figure 6). Through the mid-1980s, there were marked improvements in the percentage of women with ten or more prenatal visits. Since that time (except in 2000) the percentage has not improved and has even declined. Frequency of prenatal visits is shown in Table 10.

**Table 10.**  
Number of Prenatal Visits  
Lancaster County, 2001

Number of Visits	Number of Births	Percentage of Total Births	Cumulative Percentage of Total Births.
Unknown	3	0.1	0.1
One	13	0.4	0.4
Two	17	0.5	0.8
Three	24	0.6	1.5
Four	31	0.8	2.3
Five	46	1.2	3.5
Six	81	2.2	5.7
Seven	132	3.6	9.3
Eight	276	7.4	16.7
Nine	307	8.3	25
Ten & over	2778	74.9	99.9
Total	3708	100	100

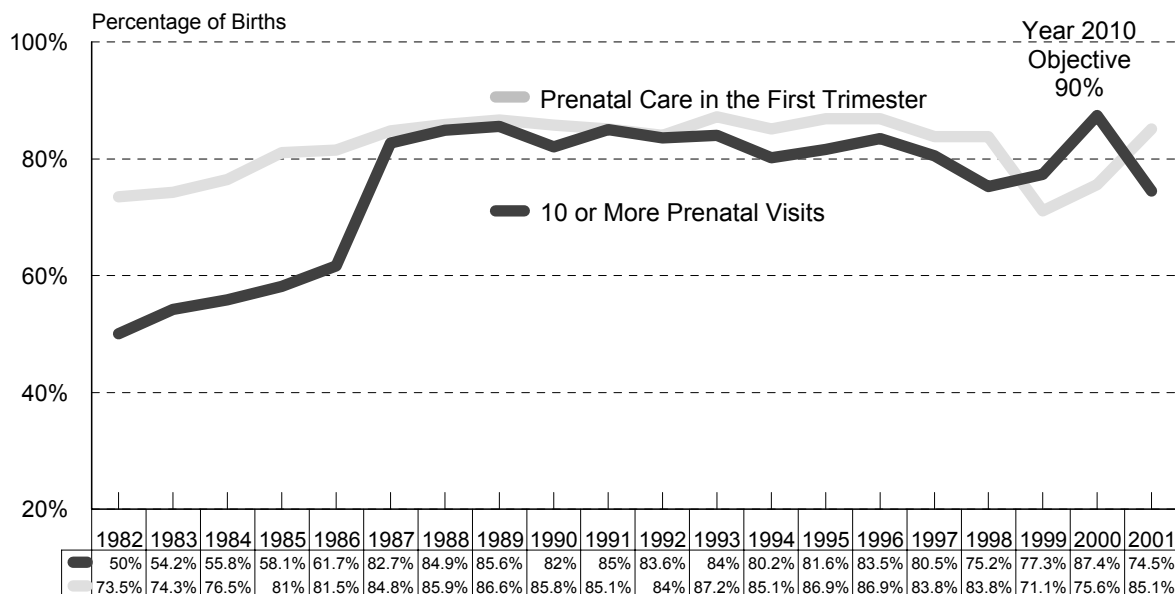
*Lincoln-Lancaster County Health Department*

## CARE IN THE FIRST TRIMESTER

In 2001, 85.1 percent of Lancaster County mothers received prenatal care in the first trimester of pregnancy (Figure 6). The overall percentage of women receiving prenatal care in the first trimester has

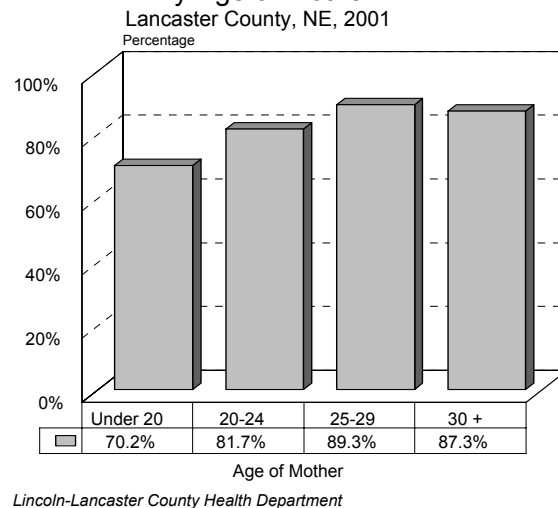
increased by more than 12 percent from the year 2000 (75.6%), but remains 5 percent below the Year 2010 Health Objective for Nebraska and Lancaster County of 90 percent.

**Figure 6: Prenatal Care**  
Lancaster County, NE  
1982 to 2001



The percentage of mothers receiving first trimester prenatal care has generally been highest among White mothers and lowest among Black and American Indian mothers. The prevalence of first trimester care has shown slight variation among mothers of different racial/ethnic group over the past five year period (1996 to 2000). During this period, the percentage of mothers receiving first trimester care appeared to decreased among American Indian mothers (67.3% in 1996 to 61% in 2001)

Figure 7: Care in First Trimester  
By Age of Mother



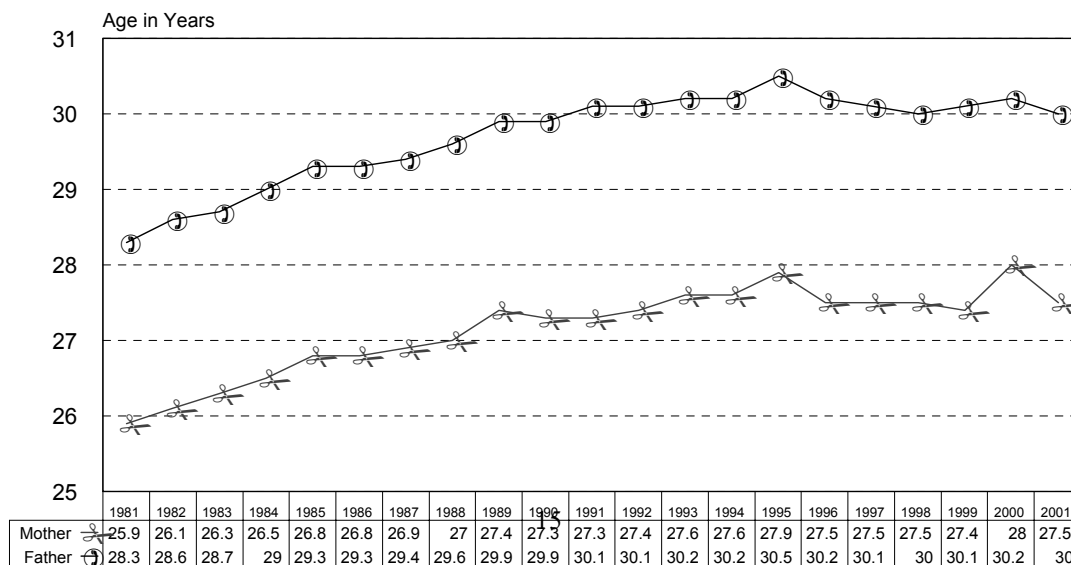
Over the same period a slight decrease in receiving care in first trimester occurred among Black mothers (66 % in 1996 to 64% in 2001), whereas in White mothers it improved slightly (88 % in 1996 to 87 % in 2001). Both Asian and Latino mothers showed no change over the time of record (1996-2001).

TABLE 11.  
Mean Age of Mother by Birth Order and Marital Status  
Lancaster County, 2001

No. Births	MARRIED	UNMARRIED	MEAN AGE
First Born	27.3	21	25.1
Second Born	29.5	23.9	28.4
Third Born	30.4	26.3	29.7
Fourth Born	31.6	28.1	30.8
ALL BIRTHS	29.2	22.7	27.5

Lincoln-Lancaster County Health Department

Figure 9: Mean Age of Mother and Father  
Lancaster County, NE  
1981-2001



Older mothers (25 years and older) were more likely to receive care in the first trimester compared to younger mothers (Figure 7). Married mothers were more likely to receive care in the first trimester (89%) compared to unmarried mothers (75%) (Figure 8).

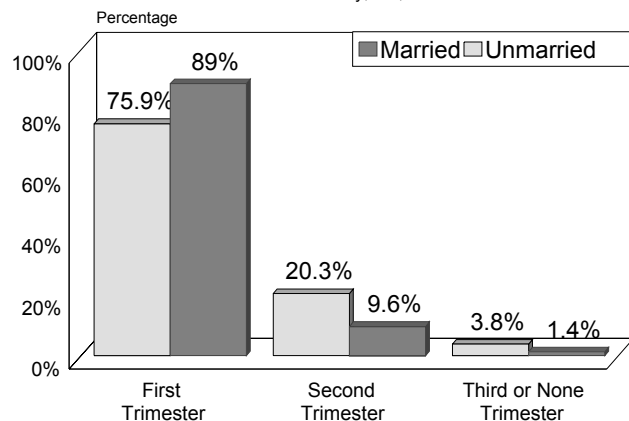
## PARENT DEMOGRAPHICS

The mean age of Lancaster County mothers was 27.5 years in 2001, which is consistent with the mean age seen during the 1990s (Figure 9). For births in which the age of both the mother and father is known, there is about a two year difference in age between mothers (27.5 years) and fathers (30 years). Lancaster County women 25 years and older have increased their share of the total number of births from 59.6 percent in 1981 to 67.3 percent in 2001 (Figure 10).

## RACE AND ETHNIC ORIGIN OF MOTHERS

In 2001, the mean age of mothers was 27.6 years for Whites, 23.7 years for Blacks, 25 years for Latinos, 25 years for American Indians, and 28.6 for Asians. The mean age of first time mothers was 25 years for Whites, 20 years for Blacks, 22 for American Indians, and 26 for Asians.

Figure 8: Trimester When Prenatal Care Began  
Lancaster County, NE, 2001



Lincoln-Lancaster County Health Department

## MARITAL STATUS

The mean age of married mothers was 29 years, compared to 22.7 for unmarried mothers. The mean age of unmarried mothers was younger than married mothers among all birth-order categories (Table 11).

## EDUCATION

The most common level of education completed by Lancaster County mothers and fathers was a high school education. The mean education level was 2 years of college for both mothers and fathers. For unmarried mothers, the mean education level was a high school education, versus 3 years of college for married mothers.

## TEENAGE MOTHERS

The birth rate among females 15 to 19 years of age in 2001 was 30 per 1,000 population. The Lancaster County Health Objective for



the Year 2010 is to reduce the teenage birth rate to 20 per 1,000 population. Of all births in 2001, 8.6 percent were to mothers under 20, while only 2.6 percent were to fathers under 20 (Figure 11). Fathers of infants born to teen mothers were, on average, two years older (20.8 years) than the mother (17.8 years). Youngest teen mother was 14 years old in 2001.

## RACE AND ETHNIC ORIGIN OF TEEN MOTHERS

The percentage of births delivered by mothers under 20 years old has increased for most populations but has been highest among American Indian, Asian and Hispanic populations. From 1987 to 2001, teen mothers increased from 21.3 percent to 29.5 percent of Black births, and from 7.7 percent to 15.2 percent of Latino births. However, it remained about the same for ( from 17.8 percent to 17.4 percent) American Indian births. During the same period, teen mothers increased from 7.3 percent to 7.8 percent of White births and from 1.7 percent to 6.5 percent of Asian births.

## PRENATAL CARE

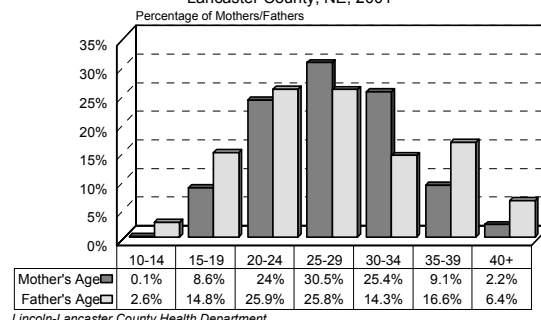
Among mothers less than 20 years of age, 70.2 percent received care in their first trimester of pregnancy (Figure 7). This compares to 86.5 percent for older mothers (20+ years old) and 85.1 percent for mothers of all ages.

## NON-MARITAL BIRTHS

Overall, 26.2 percent of births (970 of 3,708) were to unmarried mothers. This translates into a rate of 262 non-marital births per 1,000 live births in 2001 (Figure 12). The rate of non-marital births has been steadily increasing since 1978, when 98 of every 1,000 live births were to an unmarried mother.

Almost eight of every nine births (88.2 %) to mothers under 20 years of age were non-marital in 2001 (Table 12). Among all mothers, 28 percent of Black births, 17.4 percent of American Indian births, 12.8 percent of Latino births, 6.8 percent of White births, and 5.9 percent of Asian births were non-marital and under the age of 20.

Figure 11: Births by Age of Mother and Father  
Lancaster County, NE, 2001



Lincoln-Lancaster County Health Department

## APGAR SCORES

In 2001, the mean APGAR scores at 1 minute and 5 minutes after birth were 7.6 and 8.7 (highest possible score = 10), respectively. APGAR scores have remained stable for over a decade. In addition, slight variation in APGAR scores can be seen among males and females and among different racial/ethnic groups (Figure 13).

## ATTENDANT AT BIRTH

In recent years, a sharp increase has been noted in non-physician attended births. The number of non-physician attended births has risen from 7 births in 1992 to 150 births in 1995 to 359 births in 2001 (9.7 % of all births). Of the non-physician attended births in 2001, 100 percent were hospital births.

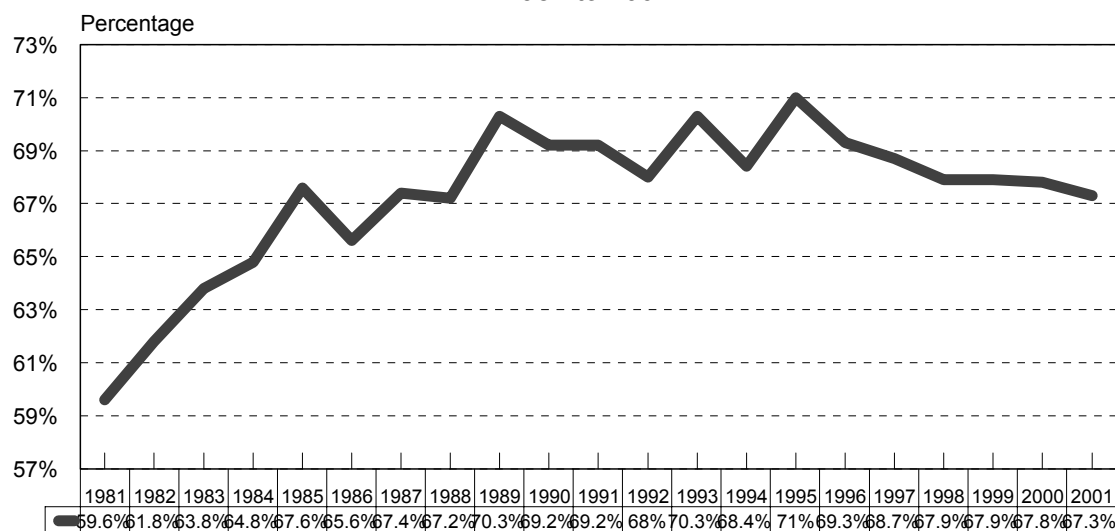
Mothers whose births were attended by Certified Nurse Midwives were less likely to

receive first trimester prenatal care (84.1%) than mothers in births attended by physicians (86 %).

## MULTIPLE BIRTHS

The total number of multiple births in Lancaster County was 106(53 sets) in 2001, including 2 set of triplets. The number of multiple births in 2000 was 133.

Figure 10: Percent of Births to Women Age 25 and Over  
Lancaster County, NE  
1981 to 2001



Lincoln-Lancaster County Health Department

TABLE 12.  
Non-Marital Births by Age of Mother  
Lancaster County, 2001

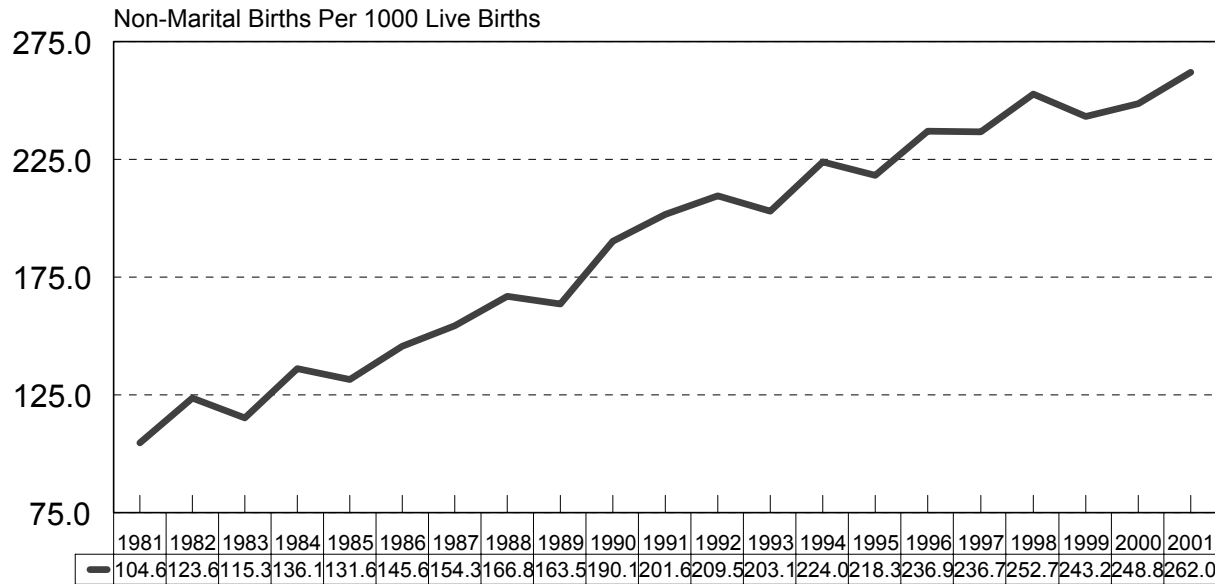
Age Group	Freq. Total Live Births	Freq. Non Marital Births	% of** Non-Marital Age Group	% of*** Age group Not Married
Under 20	322	284	29.3	88.2
20 to 24	889	414	42.7	46.6
25 to 29	1132	163	16.8	14.4
30 and Above	1365	109	11.2	8
TOTAL	3708	970	100	26.2

Lincoln-Lancaster County Health Department

\*\*Percentages in this column reflect non-marital births by age group.

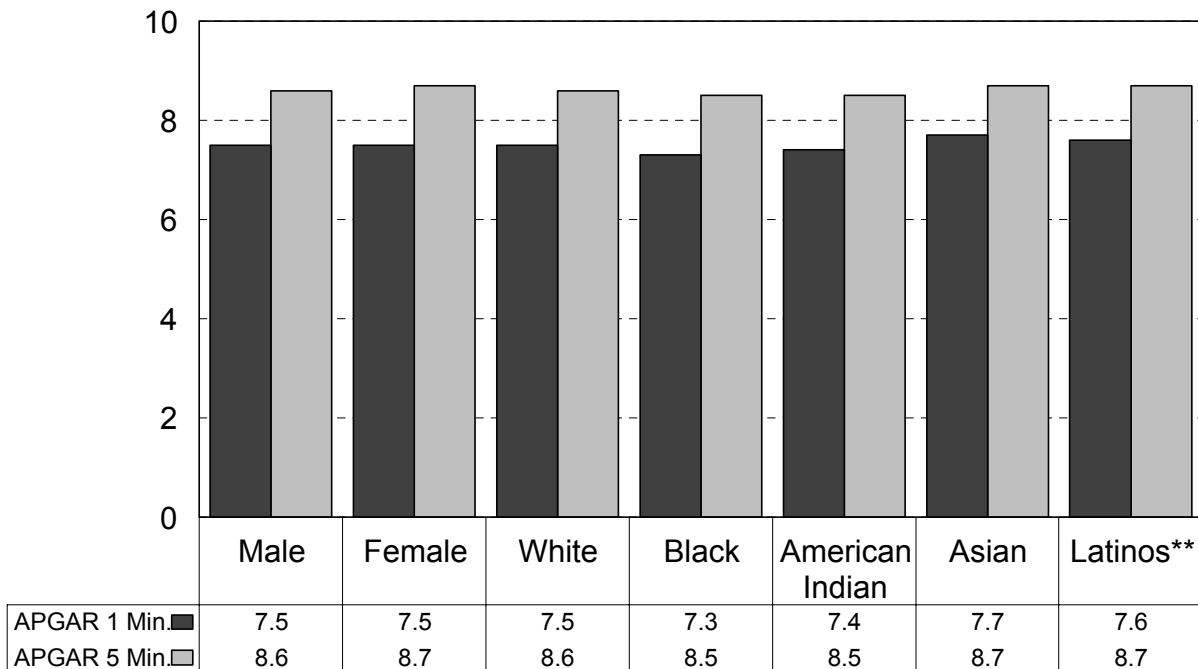
\*\*\*Percentages in this column reflect non-marital births within the respective age groups.

Figure 12: Non-Marital Birth Rate  
Lancaster County, NE  
1981 to 2001



Lincoln-Lancaster County Health Department

Figure 13: Mean APGAR Scores by Gender and Race\*  
Lancaster County, NE, 2001



\*Race of the child is determined by the race of the mother

\*\*Latinos may be of any race

Lincoln-Lancaster County Health Department

**TABLE 13. SUMMARY OF RESIDENT BIRTH STATISTICS FROM 1986 TO 2001, LANCASTER COUNTY, NE**

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
NUMBER OF LIVE BIRTHS																
Lancaster County	2993	3014	2968	3174	3103	3198	3069	3245	3129	3166	3293	3223	3388	3594	3758	3708
Lincoln	2716	2755	2676	2907	2859	2970	2855	2985	2928	2964	3095	3017	3191	3394	3544	3465
Balance of County	277	269	292	267	244	228	214	260	201	202	198	206	197	194	214	243
SEX OF CHILD																
Male	51.10%	49.80%	50.20%	52.50%	51.20%	51.30%	51.40%	50.70%	52.00%	52.00%	50.80%	50.60%	49.40%	51.30%	51.00%	50.5%
Female	48.90%	50.20%	49.80%	47.50%	48.80%	48.70%	48.60%	49.30%	48.00%	48.00%	49.20%	49.40%	50.60%	48.70%	49.00%	49.5%
RACE OF CHILD																
White	93.60%	91.70%	90.30%	89.90%	92.00%	90.90%	89.70%	91.30%	91.90%	90.40%	90.40%	89.20%	91.30%	90.40%	90.00%	89.7%
Black	2.00%	3.60%	3.90%	3.90%	4.20%	4.60%	4.60%	3.10%	3.10%	3.60%	2.90%	3.60%	3.20%	3.30%	3.20%	3.6%
Am Indian	0.80%	0.90%	1.20%	1.00%	1.90%	1.30%	1.60%	1.20%	1.10%	1.50%	1.50%	1.80%	1.10%	1.50%	1.10%	1.2%
Asian	NR	NR	NR	NR	NR	NR	NR	4.30%	3.90%	4.50%	5.20%	5.20%	4.30%	4.20%	5.20%	4.9%
Other	1.60%	1.60%	2.60%	2.50%	1.90%	3.20%	0.30%	0.10%	0.03%	0.00%	0.00%	0.30%	0.10%	0.60%	0.03%	0.60%
Latino	1.90%	2.30%	2.10%	2.70%	2.7%*	2.7%*	4.0%*	2.9%*	3.1%*	3.6%*	3.8%*	4.0%*	4.8%*	4.60%	4.90%	5.7%
BIRTH WEIGHT																
Mean Birth Weight**	7.6	7.5	7.5	7.5	7.7	7.6	7.3	7.8	7.8	7.8	7.7	7.5	7.7	7.6	7.4	7.8
Low Weight Births																
Number	149	163	150	177	177	169	141	192	176	200	228	242	232	229	255	233
Percent of Total Live Births	5.00%	5.40%	5.10%	5.60%	5.70%	5.30%	4.60%	5.90%	5.60%	6.30%	6.90%	7.50%	6.80%	6.37%	6.80%	6.3%
BIRTH RATE																
Births per 1000 Population	14.7	14.5	14	14.9	14.9	14.8	14.1	14.7	14.1	13.8	14.2	13.8	14.4	15.12	15.01	14.7
FERTILITY RATE																
Births per 1000 Women 15-44	54	53.8	51.9	54.9	55.6	56.7	53.9	56.4	53.9	52.8	54.3	52.9	54.9	60.3	62.3	59.5
NON-MARTIAL BIRTHS	434	465	495	519	590	645	643	659	701	691	780	763	856	874	859	970
NON-MARTIAL BIRTH RATE	145	154.3	166.8	163.5	190.1	201.6	209.5	203.1	224	218.3	236.9	236.7	252.7	243.2	323.6	262

Lincoln-Lancaster County Health Department

\* Latinos may be of any race, (1990-1998 only).

\*\* Weight expressed in pounds and ounces.

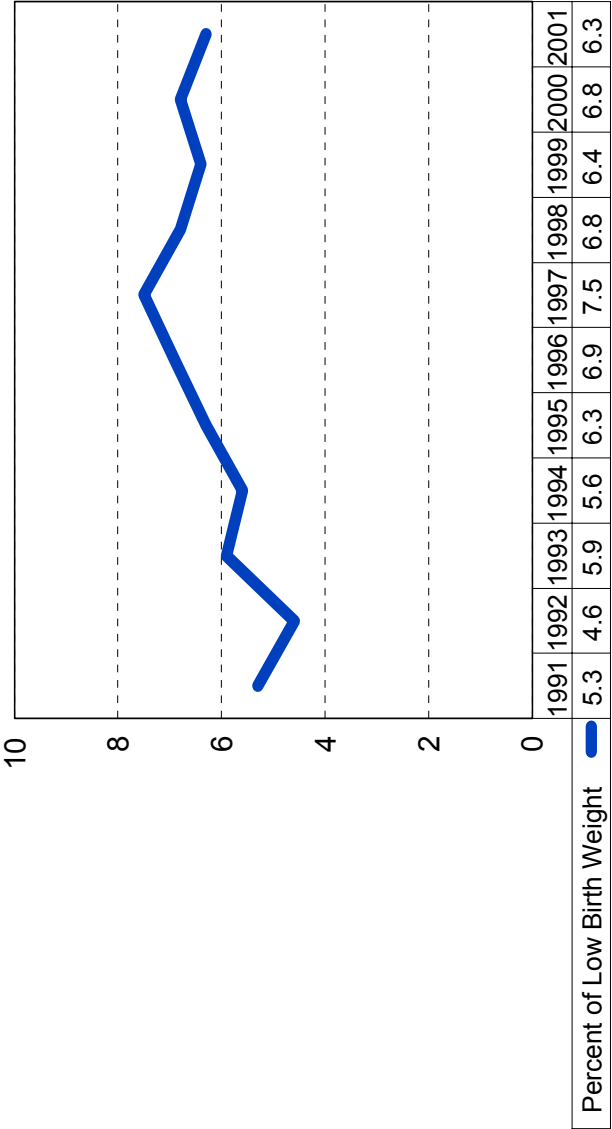
NR: Not Reported

**TABLE 13A. SUMMARY OF RESIDENT BIRTH STATISTICS FROM 1986 TO 2001, LANCASTER COUNTY, NE, 2001**

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Prenatal Care																
Percent with 10 or more Prenatal Visits	61.70%	82.70%	84.90%	85.60%	82.00%	85.00%	83.60%	84.00%	80.20%	81.60%	83.50%	79.80%	75.20%	77.29%	69.10%	74.50%
Percent Receiving Care in 1st Trimester	81.50%	84.80%	85.90%	86.60%	85.80%	85.10%	84.00%	87.20%	85.10%	86.90%	86.90%	83.80%	83.80%	71.09%	89.10%	85.10%
AGE OF PARENTS																
Percent of Mothers by Age																
Under 20	7.60%	7.70%	7.90%	7.10%	8.40%	8.20%	8.60%	7.40%	8.90%	7.50%	9.40%	9.60%	9.30%	9.54%	8.60%	8.7%
20-24	26.80%	25.20%	24.70%	22.60%	22.40%	22.60%	23.40%	22.30%	22.70%	21.50%	21.30%	21.60%	22.80%	22.54%	23.60%	24%
25-29	35.90%	37.00%	35.40%	36.00%	34.60%	34.40%	31.90%	31.80%	29.70%	32.10%	32.90%	32.70%	32.40%	31.94%	30.80%	30.5%
30-34	22.70%	22.80%	24.00%	24.70%	25.10%	24.90%	25.30%	27.90%	26.80%	26.10%	24.00%	22.90%	22.90%	23.70%	24.60%	25.4%
35-39	6.70%	6.70%	7.00%	8.40%	8.10%	8.80%	8.80%	9.30%	10.30%	10.80%	10.70%	11.30%	10.90%	10.50%	10.50%	9.1%
40 and Over	0.30%	0.90%	0.80%	1.20%	1.40%	1.20%	2.00%	1.30%	1.60%	2.00%	1.80%	1.80%	1.70%	1.80%	1.80%	2.2%
Mean Age of Mother:																
Married	27.6	27.8	27.9	28.3	28.5	28.5	28.7	28.9	29	29.2	29	29	29.1	29.9	29.1	29
Unmarried	22.2	22.2	22.4	22.7	22.5	22.8	22.5	22.6	22.7	23.2	22.7	22.8	22.6	24.4	22.7	22.7
Total	26.8	26.9	27	27.4	27.3	27.3	27.4	27.6	27.6	27.9	27.5	27.5	27.5	28.6	27.5	27.5
Mean Age of Father	29.3	29.4	29.6	29.9	29.9	30.1	30.1	30.2	30.2	30.5	30.2	30.1	30	30.1	30.2	30.1
MULTIPLE BIRTHS																
Number of Multiple Births	40	44	30	47	39	37	27	42	39	37	55	54	53	56	67	53
APGAR SCORES																
Mean 1 Minute APGAR Score	7.5	7.6	7.7	7.6	7.9	7.9	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.6	7.7	7.6
Mean 5 Minute APGAR Score	8.7	8.8	8.7	8.7	8.9	8.9	8.8	8.7	8.7	8.7	8.6	8.7	8.7	8.7	8.8	8.7
BIRTH DEFECTS (CONGENITAL ANOMALIES)																
Number	78	75	56	86	104	146	123	157	111	113	133	168	149	107	104	
Percent of Total Live Births	2.60%	2.40%	1.90%	2.70%	3.40%	4.60%	4.00%	4.80%	3.50%	3.60%	4.00%	5.20%	4.40%	3.00%	2.70%	
EDUCATION LEVEL OF PARENTS																
Mean Years of Education of Father	13.9	14	13.9	14	14	14.1	14.1	14.1	14.1	14.2	14.1	14.1	14.1	14.2	13.9	13.8
Mean Years of Education of Mother	13.4	13.5	13.5	13.6	13.6	13.7	13.7	13.8	13.7	13.9	13.8	13.9	13.9	13.9	13.8	14
HOSPITAL/PHYSICIAN ATTENDED BIRTHS																
Number of Non-Hospital Births :	14	11	20	7	15	13	8	21	10	3	10	8	6	3	3	5
Percent of Total Live Births	0.50%	0.40%	0.70%	0.20%	0.50%	0.40%	0.30%	0.60%	0.30%	0.10%	0.30%	0.20%	0.20%	0.1	0.07%	0.2%
Non-Physician Attended Births:																
Number	4	5	9	6	10	13	7	48	80	150	223	207	264	318	333	359
Percent of Total Live Births	0.10%	0.10%	0.30%	0.20%	0.30%	0.40%	0.20%	1.50%	2.60%	4.70%	6.80%	6.60%	7.80%	8.84%	8.90%	9.7%

*Lincoln-Lancaster County Health Department*

**Appendix 1: Low Birth Weight Trend**  
Lancaster County, NE, 2001









# DEATH STATISTICS

## CRUDE DEATH RATE

In 2001, the crude death rate for Lancaster County was 6.5 per 1,000 population. The age adjusted death rate for this year was 7.7 per 1,000 population. The average crude death rate between 1981 and 2001 was 6.9 per 1,000 population.

The crude death rate and age adjusted death rate for the State of Nebraska during 2001 was 8.9 and 8 per 1,000 population respectively. Figure 14 illustrates the death rates for Lancaster County and the State of Nebraska.

## TOTAL NUMBER OF DEATHS

There were 1,681 deaths among Lancaster County residents during 2001. Of these, 1,561 (92.9%) were residents of Lincoln. The remaining 120 (7.1 %) resided outside the City of Lincoln. The most frequent

months for death were January followed by March (Table 14).

### Race

Of the deaths in 2001, 1,616 (96.1 %) were among Whites, 37 were among Blacks, 12 were among American Indians, and 15 were among Asians. Non-White deaths accounted for 3.8 percent of total deaths. Crude death rate was 7.16 per 1,000 for whites, 5.24 per 1,000 for Blacks, 7.5 per 1,000 for American Indians and 2.1 per 1,000 for Asians.

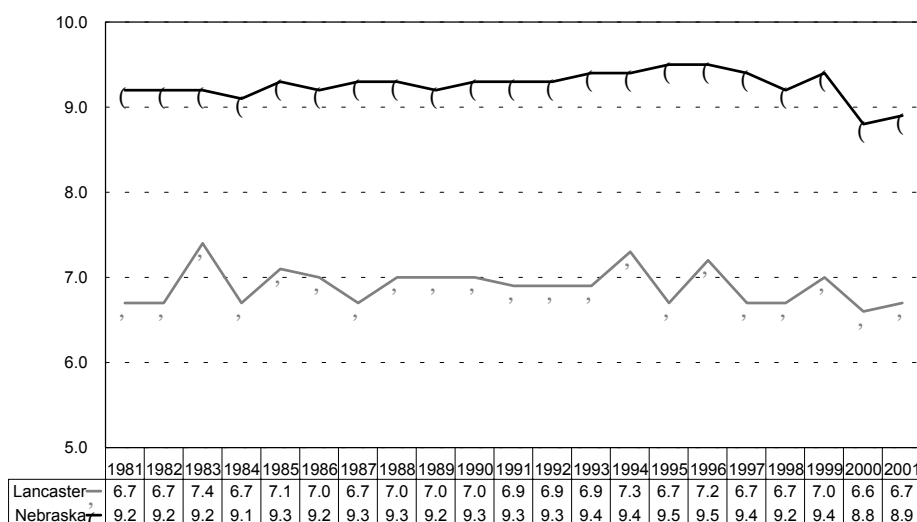
### Sex

During 2001, 45.3 percent of all deaths in Lancaster County were males, and 54.7 percent were females.

### Age

In 2001, 26 infants (less than 1 year of age) died, accounting for 1.5 percent of all deaths and an infant mortality rate of 7 per

Lancaster County and Nebraska  
1981 to 2001



\*Rate per 1000 Population  
Lincoln-Lancaster Health Department

1,000 live births (*See page 31 for further discussion of infant mortality*). A total of 39 children in the 0-14 year age group died in 2001, accounting for 2.3 percent of all deaths. The most frequent age group for deaths was 80 to 89 years (31.4 % of all deaths) followed by 70 to 79 years (21.5 % of all deaths) (Table 16).

In 2001, the mean age of death for males and females was 68 and 77.3 years, respectively (Figure 15). Although mean age for men and women show yearly fluctuation.

Using a three year rolling average death rate (1998 to 2000), life expectancy at birth (average number of years that an infant would live) in the Lancaster County was 79.1 years (Table 28). Women (81.4 years) had a higher life expectancy than men (76.7 years). The overall Life expectancy was

79.1 years for Whites, 77.3 years for Blacks, 64 years for American Indians and 85.2 years for Asians.

## LEADING CAUSES OF DEATH

The leading causes of death is shown in Table 16. In 2001, cancer became the leading cause of death, for the second time in 2001. Cancer was the leading killer in 1999. A total of 406 deaths were due to cancer and 400 were due to heart disease. These two major causes of death accounted for half of all deaths (Figure 16). Table 17 details statistics on the leading causes of death in Lancaster County, it has slowly gone up over the years.

Table 15 lists the average age of death by sex by selected cause. The six leading causes of death in Lancaster County and Nebraska can be found in Table 18.

**TABLE 14**  
**Deaths by Month**  
**Lancaster County 2001**

Month	No. Deaths	Percent
January	158	9.4
February	134	8
March	153	9.1
April	141	8.4
May	150	8.9
June	127	7.6
July	125	7.4
August	133	7.9
September	139	8.3
October	128	7.6
November	145	8.6
December	148	8.8
<b>Total</b>	<b>1681</b>	<b>100</b>

Lincoln-Lancaster County Health Department

**TABLE 15.**  
**Average Age of Death**  
**by Sex by Selected Cause**  
**Lancaster County, 2001.**

Cause	Male	Female
Heart Disease	72.8	83.9
Cancer	71	72
Cerebrovascular Disease	75.8	81
Accidental Deaths	48.9	61
Chronic Lung Disease	75	76
Diabetes Mellitus	62	77
Suicide	47	23

Lincoln-Lancaster County Health Department

## Leading Causes of Death by Age and Gender and Race

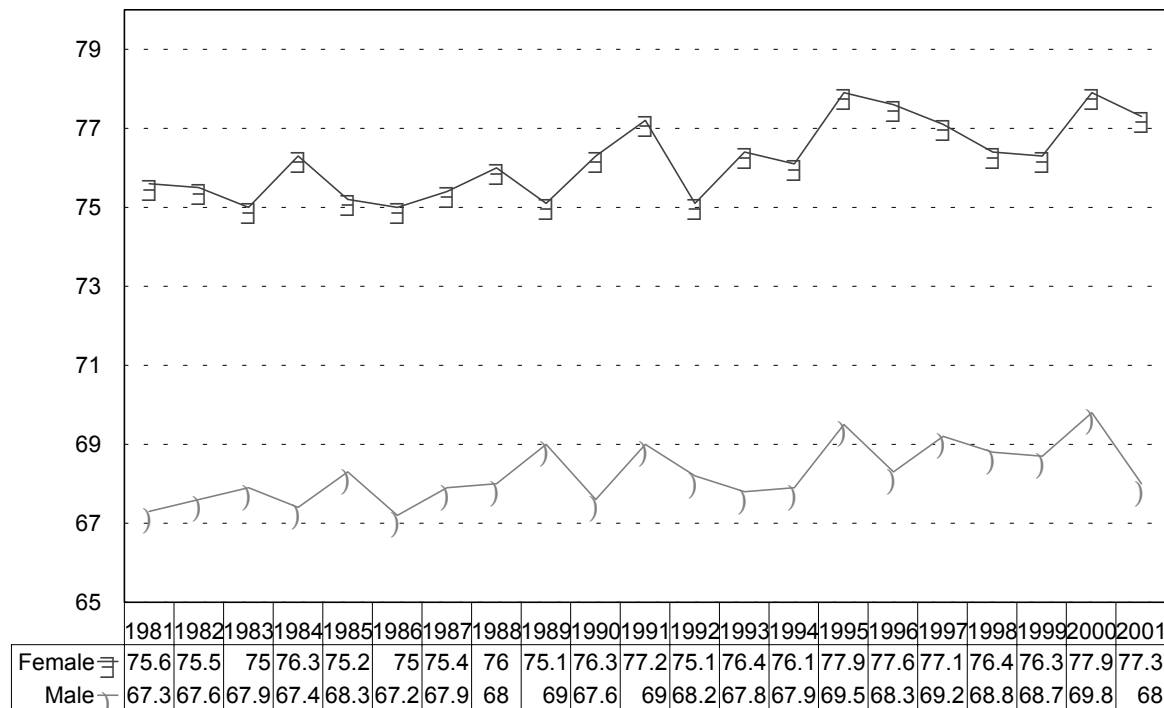
Among males, cancer was the number one cause of death in 2001 followed by heart disease and cerebrovascular disease (stroke) (Table 19). For females the leading cause of death was Heart Disease followed by Cancer and Cerebrovascular Diseases. The same gender difference for leading causes of death was observed in 2000.

Leading Causes of death among different age and racial groups are presented in Table 27 and 28 respectively. Accident was the predominant cause of death among 5 to 34 years age groups.

Among age group 35 to 84 years, cancer was the leading cause of death whereas the leading cause of death for 85 years and older was heart disease.

Causes of infant mortality are listed in Table 23.

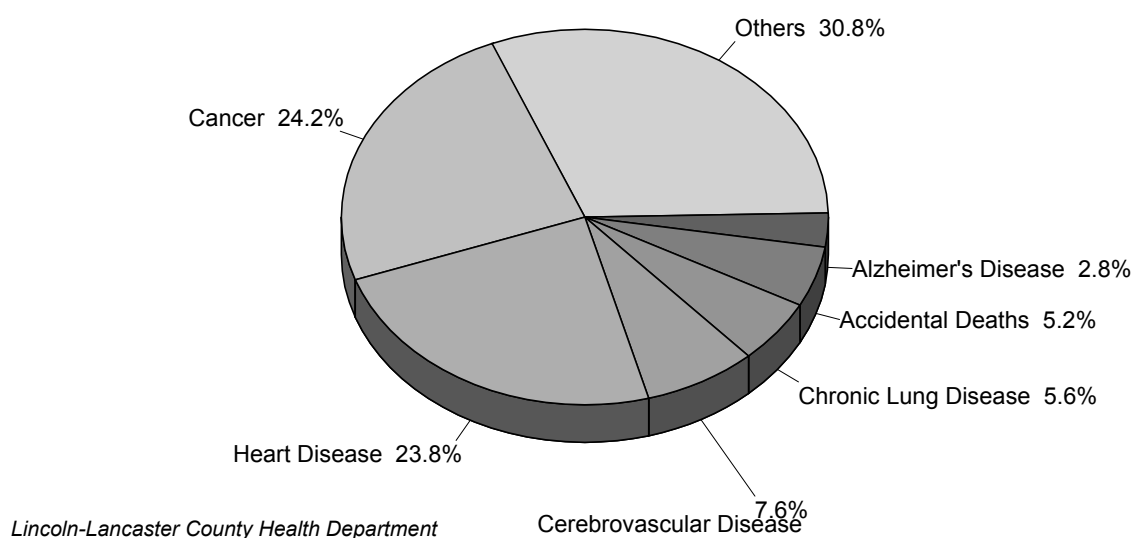
**Figure 15: Mean Age of Death for Males and Females**  
Lancaster County, NE  
1981-2001



**TABLE 16.**  
**Deaths by Age and Sex**  
**Lancaster County, 2001**

Age	Total Deaths	Percent	Male	Percent of Male	Female	Percent of Female
<1	26	1.5	16	2.1	10	1.1
1-4	6	0.4	4	0.5	2	0.2
5-9	3	0.2	3	0.4	0	0
10-14	4	0.2	0	0	4	0.4
15-19	8	0.5	3	0.4	5	0.5
20-24	18	1.1	13	1.7	5	0.5
25-29	9	0.5	6	0.8	3	0.3
30-39	51	3	27	3.5	24	2.6
40-49	84	5	58	7.6	26	2.8
50-59	126	7.5	82	10.8	44	4.8
60-69	167	9.9	91	11.9	76	8.3
70-79	362	21.5	187	24.5	175	19
80-89	527	31.4	214	28.1	313	34.1
90-99	267	15.9	56	7.3	211	23
>100	23	1.4	2	0.3	21	2.3
<b>Total</b>	<b>1681</b>	<b>100</b>	<b>762</b>	<b>100</b>	<b>919</b>	<b>100</b>

**Figure 16: Leading Causes of Death**  
Lancaster County, NE  
2001



**TABLE 17.**  
**Leading causes of Death**  
**and Crude Rate per 100,000 Population**  
**Lancaster County, 2001**

<i>Cause of Death</i>	<i>Number of Total Deaths</i>	<i>Percent of Total Deaths</i>	<i>Crude Death Rate*</i>	<i>Age Adjusted Death Rate*</i>
Cancer	406	24.2	162.2	191
Heart Disease	400	23.8	159.8	185.8
Cerebrovascular Disease	127	7.6	50.7	58.9
Chronic Lung Disease	94	5.6	37.6	45.1
Accidental Deaths	88	5.2	35.2	36.6
Alzheimer's disease	47	2.8	18.8	21.8
Diabetes Mellitus	33	2	13.2	14.9
Nephritis and Nephrosis	33	2	13.2	15.5
Suicide	28	1.7	11.2	11.4
Essential Hypertension and Hypertensive Renal Disease	25	1.5	10	11.6
Parkinson's Disease	25	1.5	10	11.7
Pneumonia	18	1.1	7.2	8.4
Pneumonitis due to solids and liquids	14	0.8	5.6	6.8
Septicemia	12	0.7	4.8	5.6
Atherosclerosis	11	0.7	4.4	5
Chronic Liver Disease and Cirrhosis	11	0.7	4.4	4.9
Aortic Aneurysm	8	0.5	3.2	3.7
Emphysema	8	0.5	3.2	3.8
Asthma	6	0.4	2.4	2.4
Birth defects	6	0.4	2.4	3.3
Assault (Homicide)	6	0.4	2.4	2.2
Peptic Ulcer	5	0.3	2	2.4
Anemias	2	0.1	0.8	0.9
Nutritional Deficiencies	2	0.1	0.8	0.9
Cholelithiasis and other Disorders of the Gall Bladder	1	0.1	0.4	0.4
HIV	1	0.1	0.4	0.4
Tuberculosis	1	0.1	0.4	0.4
<b>Viral hepatitis</b>	<b>1</b>	<b>0.1</b>	<b>0.4</b>	<b>0.4</b>
All other causes	262	15	104.7	117.9
<b>Total</b>	<b>1681</b>	<b>100</b>	<b>6.5**</b>	<b>7.7**</b>

Lincoln-Lancaster County Health Department

\*Rate Per 100,000 population

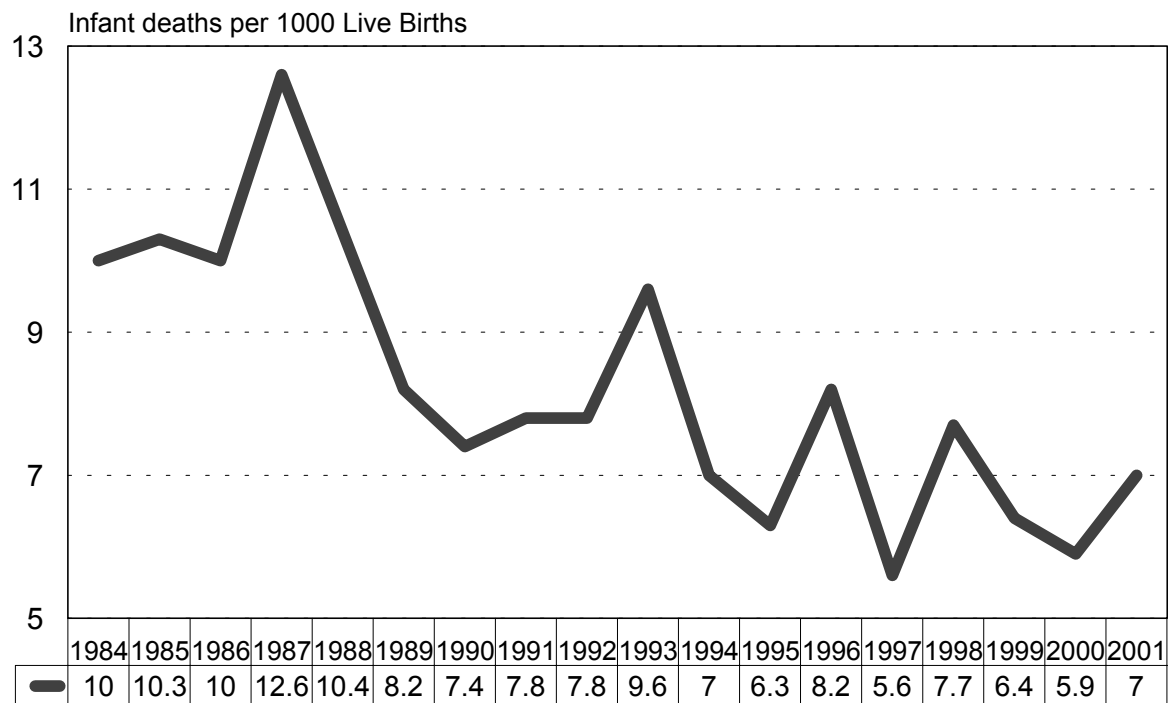
\*\*Rate Per 1,000 population

**TABLE 18.**  
**Comparison of the Six Leading Causes of Death**  
**Lancaster County vs. the State of Nebraska, 2001**

Lancaster County		Nebraska	
Cause of Death	Percent	Cause	Percent
Cancer	24.2	Heart Disease	27.4
Heart Disease	23.8	Cancer	22.3
Cerebrovascular Disease	7.6	Cerebrovascular Diseases	7.4
Chronic Lung Disease	5.6	Chronic Lung Disease	4.9
Accidental Deaths	5.2	Accidental Deaths	4.1
Alzheimer's disease	2.8	Alzheimer's disease	2.8

*Lincoln-Lancaster County Health Department*

**Figure 17: Infant Mortality Rate**  
**Lancaster County, NE**  
**1984-2001**



*Lincoln-Lancaster County Health Department*

### Cancer Sites

Cancers of the lung, trachea and bronchus were the leading cause of cancer-related death among males, and females (Table 20). Lymphoid and Histiocytic cancer were the next leading causes of cancer death in men and Breast Cancer in women (Table 20). Cancer death rates are discussed on page 34.

### Suicide

Suicide by method and age category are shown in Table 21. The average age for male suicides was 47 years, compared to 23 years for females. Over one thirds of suicide deaths (35.7 per cent) were among individuals 39 years of age or younger. In 2001, the crude rate for suicide was 11.2 per 100,000 population (Age adjusted rate 11.4 per 100,000). The crude rate for suicide was the same in 2000. The Lancaster County Health Objective for the Year 2010 is to reduce suicide mortality to an age-adjusted rate of 7.5 per 100,000 population.

## INFANT MORTALITY RATE

In 2001, 26 infant deaths occurred in Lancaster County for an infant mortality rate of 7 per 1,000 live births (Figure 17). This represents an increase from the 2000 infant mortality rate (5.9 per 1,000) in which 22 infant deaths occurred. The Lancaster County Health Objective for the Year 2010 is 5.0 per 1,000 live births. In 2001, 61.5% of infant deaths were male while the remaining 38.5% were female. A majority (80.8 per cent) of all infant deaths in 2001

were white (Table 22), a rate of 6.3 per 1,000 white births. Five infant deaths among other races in 2001 translated into an infant mortality rate of 13.8 per 1,000 non-white births. The leading cause of infant mortality was congenital anomalies (Table 23)

TABLE 19.  
Six Leading Causes of Death by Gender  
Lancaster County 2001

Rank	Gender	
	Male	Female
1	Cancer (207)* 156.6 **	Heart Disease (224) 178.8
2	Heart Disease (176) 140.8	Cancer (199) 158.8
3	Cerebrovascular Diseases (52) 41.6	Cerebrovascular Diseases (75) 59.9
4	Accidental Deaths (48) 38.4	Chronic Lung Disease (52) 41.5
5	Chronic Lung Disease (42) 33.6	Accidental Deaths (39) 31.1

\* Number of Deaths

\*\* Sex Specific Rate per 100,000 Population



**TABLE 20.**  
**Cancer by Type**  
**Lancaster County, 2001**

Type of Cancer	ICD 10	Male	Female	Total	Percentage
Lung, Trachea, Bronochus	C33-C34	67	52	119	29.3
Colon/ Rectum	C18-C21	18	21	39	9.6
Lymphoid and Histiocytic	C81-C96	27	21	48	11.8
Breast	C50	0	31	31	7.6
Prostate	C61	21	0	21	5.2
Pancreas	C25	16	11	27	6.7
Ovary/other Uterine adnexa	C56-C57	0	11	11	2.7
Brain	C71	7	5	12	3
Esophagus	C15	5	3	8	2
Stomach	C16	4	3	7	1.7
Bladder	C67	6	2	8	2
Liver	C22	1	3	4	1
Cervix Uteri	C53	0	1	1	0.2
Skin	C43-C44	7	1	8	2
All other causes	...	28	34	62	15.3
Total	...	207	199	406	100

*Lincoln-Lancaster County Health Department*

**TABLE 21.**  
**Suicides by Type by Age Group**  
**Lancaster County, 2001.**

Types of Suicide	0-14	15-29	30-44	45-59	60 & Over	Total
Firearms and explosives	0	4	2	4	4	14
Hanging and Suffocation	0	1	1	3	0	5
Poisoning by Solids or Liquids	0	0	2	3	0	5
Poisoning by Other Gases and Vapors	0	0	1	1	0	2
Other And Unspecified Means	0	1	0	0	1	2
<b>Total</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>11</b>	<b>5</b>	<b>28</b>

*Lincoln-Lancaster County Health Department*

## FETAL DEATHS

Twenty five fetal deaths were reported in 2001, representing a fetal death ratio of 6.7 per 1,000 live births (Figure 18). This is an increase from the 16 fetal deaths reported in 2000, in which a fetal death ratio of 4.3 per 1,000 live births occurred.

## CRUDE AND AGE-ADJUSTED RATES FOR THE THREE LEADING CAUSES OF DEATH

### Heart Disease

In 2001, 400 (23.8 per cent of deaths) Lancaster County residents died of heart disease. These 400 deaths translate into a crude death rate of 159.8 per 100,000 population. The average crude death rate for heart disease from 1997 through 2001 was 182.2 per 100,000. The Nebraska Department of Health and Human Services reported an average crude death rate for heart disease of 269.5 per 100,000 population for the State of Nebraska between 1997 and 2001.

The 2001 Nebraska Vital Statistics Report lists Nebraska's age-adjusted death rate for heart disease at 214.3 per 100,000 population for 2001, and 233.6 per 100,000 for 1997 through 2001. Using the same age-adjusted method, Lancaster County's age-adjusted death rates for heart disease were lower: 185.8 per 100,000 for 2001 and 203.8 per 100,000 for 1997-2001.

**TABLE 22.**  
Infant Deaths by Race and Sex  
Lancaster County, 2001.

Race	Male	Female	Total
White	14	7	21
Black	1	1	2
American Indian	1	1	2
Asian	0	1	1
Total	16	10	26

*Lincoln-Lancaster County Health Department*

**TABLE 23.**  
Infant Deaths by Cause and Sex  
Lancaster County, 2001

Cause of Death	Male	Female	Total
Congenital Anomalies	1	4	5
Complications during pregnancy	2	2	4
Sudden Infant Death Syndrome	3	0	3
Other	10	4	14
Total	16	10	26

*Lincoln-Lancaster County Health Department*

## Cancer

In 2001, 406 (24.2 % of total deaths)

Lancaster County residents died of cancer.

These 406 deaths translate into a crude death rate of 162.2 per 100,000 population. This compares to an average crude death rate of 162.9 per 100,000 population for 1997 through 2001, which is lower than the average crude death rate due to cancer of 199.8 per 100,000 estimated population for the State of Nebraska between 1997 and 2001.

The Nebraska Vital Statistics Report lists Nebraska's age-adjusted death rate for cancer as 187 per 100,000 population for 2001, and 184.5 per 100,000 for 1997 through 2001. It cites higher age adjusted rates for Lancaster County: 191 per 100,000 for 2001, where as the average county rate is same as the state over the period 1997-2001 (184.5 per 100,000 Population)

## Cerebrovascular Disease (Stroke)

In 2001, 127 (7.6 % of total deaths)

Lancaster County residents died of

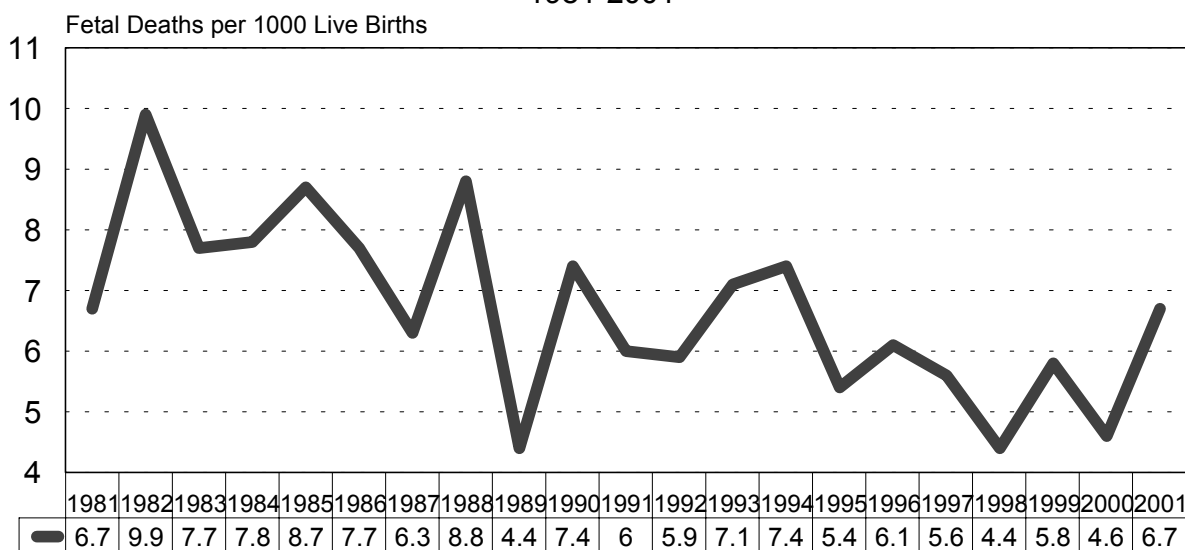
cerebrovascular disease. These 127 deaths translate into a crude death rate due to cerebrovascular disease of 50.7 per 100,000 estimated population. This compares to an average crude death rate of 47 per 100,000 estimated population for 1997 through 2001.

The average crude death rate due to cerebrovascular disease of 67.5 per 100,000 estimated population for the State

much higher than that of Lancaster County.

The 2001 Nebraska Vital Statistics Report states that for the State of Nebraska the age-adjusted death rate for cerebrovascular disease was 57.9 per 100,000 population for 2001, and 57.7 per 100,000 for 1997 through 2001. Rates for Lancaster County were lower: 58.9 per 100,000 for 2001 and 52.7 per 100,000 for 1997 through 2001.

Figure 18: Fetal Death Rate  
Lancaster County, NE  
1981-2001



*\*Note: To compare death rates from different populations (Lancaster County and the State of Nebraska), age-adjusted rates are used.*

## DEATHS DUE TO UNINTENTIONAL INJURY

In 2001, 88 deaths occurred (5.2 % of total deaths) due to unintentional injury in Lancaster County. The average ages for male and female deaths were 49 and 61 years, respectively. Males represented 55.7 percent of all deaths, compared to 44.3 percent for females.

Under unintentional injury category, Motor vehicle traffic accidents (41%) were the leading cause of deaths in 2001, followed by injuries related to submersion, suffocation, or foreign bodies (14.7%).

## DISPOSITION AND PLACE OF DEATH

The most frequent disposition of a body was burial (69.1 %), followed by cremation (28.5 %) (Table 25). The most frequent place of death was a nursing home, (39.7 %), followed by a hospital or medical center-inpatient (28.3 %) (Table 26).

**TABLE 24.**  
Unintentional Injury Deaths by Principal Cause  
Lancaster County, 2001.

Principal Cause	Frequency
Transport/Motor Vehicle Traffic Accidents	36
Submersion, Suffocation, or Foreign Bodies	13
Falls	12
Poisoning by Drugs	9
Other Unintentional Injury	18
Total	88

Lincoln-Lancaster County Health Department

**TABLE 25.**  
Disposition of Body  
Lancaster County, 2001

Disposition	Frequency	Percent
Burial	1162	69.1
Cremation	479	28.5
Removal	28	1.7
Donation	12	0.7
Total	1681	100

Lincoln-Lancaster County Health Department

**TABLE 26.**  
Place of Death  
Lancaster County 2001.

Place of Death	Frequency	Percent
Nursing Home	667	39.7
Hospital or Medical Center Inpatient	475	28.3
Residence	361	21.5
Hospital or Medical Center Outpatient/ER	114	6.8
Other Facilities	58	3.4
Dead on Arrival at Hospital or Medical Center	6	0.3
Total	1681	100

Lincoln-Lancaster County Health Department

**Table 27 Leading Causes of Death By Age  
Lancaster County 2001**

Rank	Age Category										
	Under1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>1</b>	Congenital Anomalies 5* (138.9)**	Accidental Death 2 (15.3)	Accidental Death 1 (3.1)	Accidental Deaths 14 (28.2)	Accidental Deaths 6 (15.7)	Cancer 13 (34.3)	Cancer 39 (118.9)	Cancer 51 (284.2)	Cancer 100 (750.2)	Cancer 128 (1374.8)	Heart Disease 171 (4970)
<b>2</b>	Bacterial Sepsis of New Born 3 (83.3)	NA	NA	Suicide 4 (8.2)	Cancer 4 (10.5)	Heart Disease 11 (29)	Heart Disease 18 (54.9)	Heart Disease 30 (167.2)	Heart Disease 48 (360.1)	Heart Disease 118 (1267.5)	Cancer 71 (2063.9)
<b>3</b>	Complication of Pregnancy 3 (83.3)	NA	NA	Assult 2 (4.1)	Suicide 4 (8.2)	Accidental Deaths 10 (26.4)	Accidental Deaths 17 (51.9)	Chronic Lung Disease 11 (61.3)	Chronic Lung Disease 30 (225)	Cerebrovascular Diseases 41 (440.4)	Cerebrovascular Diseases 54 (1569.8)
<b>4</b>	Sudden Infant Death Syndrome 2 (55.5)	NA	NA	Heart Disease 2 (4.1)	Cerebrovascular Diseases 2 (5.2)	Suicide 4 (10.5)	Suicide 9 (27.5)	Cerebrovascular Diseases 8 (44.6)	Cerebrovascular Diseases 13 (97.5)	Chronic Lung Disease 34 (365.2)	Alzheimer Disease 27 (784.9)
<b>5</b>	NA	NA	NA	NA	Diabetes Mellitus 2 (5.2)	Chronic Lung Disease 4 (10.5)	Chronic Liver Disease 6 (18.3)	Accidental Deaths 4 (22.3)	Nephritis and Nephrosi s 8 (60.5)	Alzheimer's Disease 16 (171.9)	Chronic Lung Disease 17 (494.2)

\* Number of Deaths

\*\* Age Specific Rate per 100,000 Population

Note: Life expectancy at birth: 79.1 Years

**TABLE 28**  
**Five Leading Causes of Death by Race**  
**Lancaster County 2001**

Rank	Race			
	White	Black	American Indian	Asian
1	Cancer 391 (173.5)	Cancer 11 (85.1)	Heart Disease 4 (250)	Accident 4 (55.8)
2	Heart Disease 387* (171.7)**	Heart Disease 8 (113.4)	Accident 2 (125)	Cancer 3 (41.8)
3	Cerebrovascular Disease 123 (54.6)	Cerebrovascular Disease 3 (42.5)	...	Heart Disease 3 (41.8)**
4	Chronic Lung Disease 92 (40.8)	...	...	...
5	Accident 78 (34.6)	...	...	...

\* Number of Deaths    \*\* Race Specific Rate per 100,000 Population  
*Lincoln-Lancaster County Health Department*

**TABLE 29**  
**Life Table For Lancaster Population**

Age groups	Average Remaining Lifetime
<1	79.1
1to4	78.7
5to9	74.7
10to14	69.8
15to19	64.9
20to24	60
25to29	55.1
30to34	50.2
35to39	45.4
40to44	40.7
45to49	36.1
50to54	31.5
55to59	27
60to64	22.6
65to69	18.8
70to74	15.3
75to79	12
80to84	9.2
85+	6.8

**TABLE 32**  
**Life Table For Lancaster White Population**

Age groups	Average Remaining Lifetime
<1	79.1
1to4	78.5
5to9	74.6
10to14	69.7
15to19	64.8
20to24	59.9
25to29	55
30to34	50.1
35to39	45.3
40to44	40.6
45to49	35.9
50to54	31.4
55to59	26.9
60to64	22.5
65to69	18.7
70to74	15.2
75to79	11.9
80to84	9.1
85+	6.8

**TABLE 30**  
**Life Table For Lancaster Male Population**

Age groups	Average Remaining Lifetime
<1	76.7
1to4	76.2
5to9	72.3
10to14	67.4
15to19	62.5
20to24	57.7
25to29	52.8
30to34	48
35to39	43.3
40to44	38.6
45to49	34
50to54	29.5
55to59	25.1
60to64	20.8
65to69	17
70to74	13.8
75to79	10.7
80to84	8.1
85+	6.2

**TABLE 31**  
**Life Table For Lancaster Female Population**

Age groups	Average Remaining Lifetime
<1	81.4
1to4	80.9
5to9	76.9
10to14	72
15to19	67
20to24	62.1
25to29	57.1
30to34	52.2
35to39	47.4
40to44	42.6
45to49	37.8
50to54	33.2
55to59	28.6
60to64	24.2
65to69	20.2
70to74	16.3
75to79	12.9
80to84	9.7
85+	7.1

**TABLE 33**  
**Life Table For Lancaster Black Population**

Age groups	Average Remaining Lifetime
<1	77.3
1to4	78.4
5to9	74.5
10to14	69.5
15to19	64.7
20to24	59.9
25to29	54.9
30to34	50.1
35to39	45.3
40to44	40.6
45to49	36
50to54	31.4
55to59	27.6
60to64	23.1
65to69	19.8
70to74	16.3
75to79	13.8
80to84	10.6
85+	8

**TABLE 34**  
**Life Table For Lancaster American Indian Population**

Age groups	Average Remaining Lifetime
<1	64
1to4	65.5
5to9	61.6
10to14	56.6
15to19	51.6
20to24	47.7
25to29	42.7
30to34	38.1
35to39	33.4
40to44	29.7
45to49	26.4
50to54	22.6
55to59	18.8
60to64	15.8
65to69	14
70to74	10
75to79	6.2
80to84	4.8
85+	3

**TABLE 35**  
**Life Table For Lancaster Asian Population**

Age groups	Average Remaining Lifetime
<1	85.2
1to4	84.8
5to9	80.8
10to14	75.8
15to19	70.8
20to24	65.8
25to29	60.9
30to34	56.2
35to39	51.6
40to44	46.9
45to49	41.9
50to54	36.9
55to59	31.9
60to64	27.3
65to69	22.5
70to74	18.6
75to79	15.5
80to84	11.1
85+	9



**TABLE 36. SUMMARY OF RESIDENT DEATH STATISTICS FROM 1984 TO 2000, LANCASTER COUNTY, NE, 2001**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>NUMBER OF DEATHS</b>																		
Lancaster County	1365	1432	1418	1399	1487	1508	1500	1494	1494	1512	1617	1637	1675	1583	1582	1682	1653	1681
Lincoln	1243	1331	1302	1274	1387	1394	1371	1370	1339	1410	1483	1409	1558	1438	1488	1520	1528	1561
Balance of County	122	101	116	125	100	114	129	124	155	102	134	128	117	125	114	162	125	120
<b>RACE</b>																		
White	98.20%	97.40%	97.30%	97.50%	97.90%	97.90%	97.90%	98.20%	97.60%	97.40%	97.80%	97.70%	96.20%	96.20%	97.70%	96.70%	97.2%	96.1%
Black	1.40%	1.70%	1.60%	1.20%	1.30%	1.50%	1.70%	1.30%	1.60%	1.80%	1.60%	1.40%	2.40%	2.20%	1.30%	1.40%	1.5%	2.2%
Other	0.40%	0.80%	0.80%	1.30%	0.80%	1.00%	0.40%	0.50%	0.80%	0.90%	0.70%	0.90%	1.40%	1.50%	1.00%	1.80%	1.2%	1.7%
<b>SEX</b>																		
Male	48.80%	50.00%	49.50%	48.90%	50.40%	50.10%	47.80%	46.50%	49.60%	48.30%	47.80%	47.50%	48.40%	46.40%	47.60%	46.20%	47.1%	45.3%
Female	51.20%	50.00%	50.50%	51.10%	49.60%	49.90%	52.20%	54.50%	50.40%	51.70%	52.20%	52.50%	51.60%	53.60%	52.40%	53.80%	52.9%	54.7%
<b>AGE</b>																		
Under 1	2.30%	2.20%	2.10%	2.70%	2.10%	1.70%	1.50%	1.70%	1.60%	2.10%	1.40%	1.30%	1.60%	1.20%	1.60%	1.00%	1.33%	1.5%
1-14	0.70%	0.60%	0.60%	1.30%	0.40%	0.50%	1.10%	0.80%	0.90%	0.50%	0.90%	0.30%	0.70%	0.40%	0.80%	1.30%	0.54%	0.8%
15-29	2.40%	2.80%	3.10%	2.40%	2.20%	3.20%	2.50%	1.20%	2.80%	2.40%	2.00%	2.10%	2.10%	1.80%	1.50%	2.00%	1.68%	2.1%
30-44	2.80%	2.90%	3.70%	2.90%	3.90%	3.10%	4.60%	4.50%	5.20%	4.80%	6.10%	4.60%	4.40%	5.50%	4.40%	4.80%	4.28%	4.9%
45-59	9.60%	8.30%	9.30%	8.40%	9.10%	8.40%	8.40%	7.90%	7.90%	9.50%	8.80%	7.30%	9.60%	9.70%	10.30%	8.10%	9.01%	10.6%
60 & Over	82.10%	83.00%	81.00%	82.30%	82.30%	83.00%	81.90%	83.90%	81.60%	80.80%	80.80%	84.40%	81.60%	81.40%	81.40%	82.80%	83.12%	80.1%
<b>AVERAGE AGE AT DEATH</b>																		
Male	67.4	68.3	67.2	67.9	68	69	67.6	69	68.2	67.8	67.9	69.5	68.3	69.2	68.8	68.8	69.7	68
Female	76.3	75.2	75	75.4	76	75.1	76.3	77.2	75.1	76.4	76.1	77.9	77.6	77.1	76.4	76.6	77.8	77
Total	71.9	71.7	71.2	71.8	72	72	72.1	73.5	71.7	72.2	72.1	73.9	73.1	73.4	72.8	73.3	73.9	73.1
<b>DEATH RATE</b>																		
Deaths per 1000 Population	6.7	7.1	7	6.7	7	7	7	6.9	6.9	6.9	7.3	6.7	7.2	6.7	6.7	7.07	6.6	6.5
<b>INFANT DEATHS</b>	32	32	30	38	31	26	23	25	24	31	22	20	27	18	26	23	22	26
<b>INFANT MORTALITY RATE</b> (Deaths per 1000 Live Births)	10	10.3	10	12.6	10.4	8.2	7.4	7.8	7.8	9.6	7	6.3	8.2	5.6	7.7	6.4	5.9	7
<b>NEONATAL DEATHS</b>	19	23	22	22	16	16	13	13	10	19	16	17	17	13	21	16	11	20
<b>NEONATAL DEATH RATE</b>	5.9	7.4	7.4	6	5.4	5	7.4	4.1	3.3	5.9	5.1	5.4	5.2	4	6.2	4.4	2.9	5.4
<b>FETAL DEATHS</b>	25	27	23	19	26	14	23	19	18	23	23	17	20	18	15	21	16	25
<b>FETAL DEATH RATIO</b>	7.8	8.7	7.7	6.3	8.8	4.4	7.4	6	5.9	7.1	7.4	5.4	6.1	5.6	4.4	5.8	4.3	6.7

*Lincoln-Lancaster County Health Department*



# **MARRIAGE & DIVORCE STATISTICS**

## MARRIAGE RATE

There were 1,936 marriages in Lancaster County in 2001. This translates into a rate of 7.7 per 1,000 population. The Nebraska rate was 7.9 per 1,000 in 2001. The marriage rates for Nebraska and Lancaster County have remained relatively stable for the past five years (Figure 19).

The most common month of marriage was June followed by September (Table 37).

## AGE AND RACE

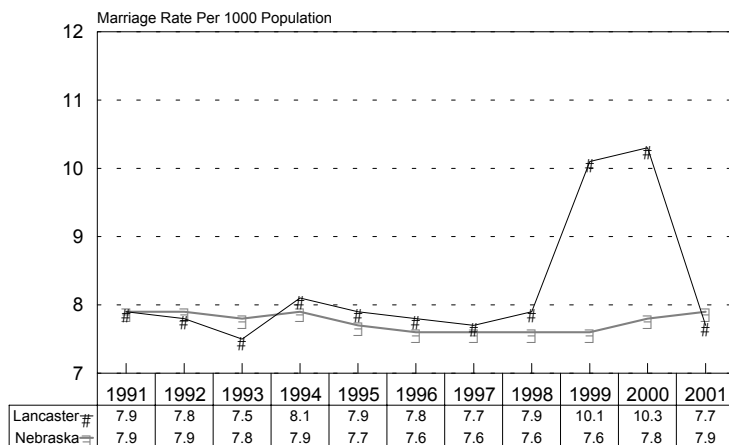
In 2001, 1,756 (90.7%) grooms and 1,779 (91.9%) brides were White. The remaining 176 grooms and 153 brides were of other races. Four grooms and 4 brides did not report any race (Table 38).

**Table 37.**  
Marriages by Month  
Lancaster County, 2001.

Month	Frequency	Percent
January	76	3.9
February	100	5.2
March	124	6.4
April	154	8
May	192	9.9
June	281	14.5
July	200	10.3
August	211	10.9
September	234	12.1
October	129	6.7
November	107	5.5
December	128	6.6
Total	1936	100

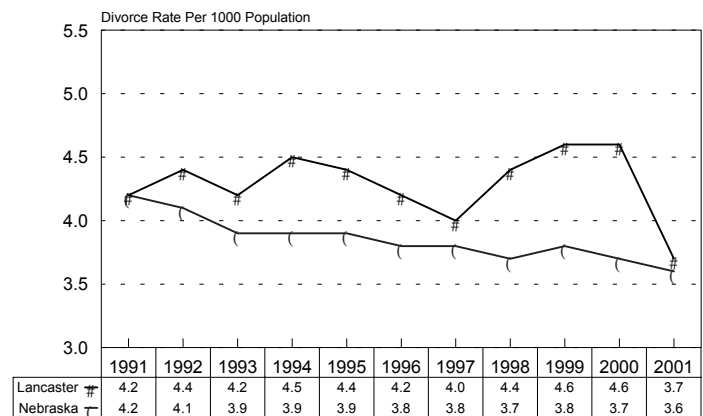
Lincoln Lancaster County Health Department

**Figure 19: Marriage Rate**  
Lancaster County and Nebraska  
1991 to 2001



Lincoln-Lancaster County Health Department

**Figure 20: Divorce Rate**  
Lancaster County and Nebraska  
1991 to 2001



Lincoln-Lancaster County Health Department

In 2000, the mean (average) age for Lancaster County grooms was 31 years. The mean age for brides was 29 years.

The mean marriage age of White males and females was 31 and 29 years, respectively. The mean age for Black males and females was 32.8 and 31 years, respectively. The mean marriage age for American Indian males and females was 36.8 and 27.9, respectively. The mean marriage age was 29.3 for Asian males and 28 for Asian females.

## **EDUCATION**

Grooms and brides had a mean education of 14 years or two years of education beyond high school. The most frequent educational level was equivalent to a high school education (12 years) for both males and females.

## **DIVORCE RATE**

The 2001 marriage/divorce ratio in Lancaster County was 2.1/1 (Table 39), indicating that there were 2.1 times as many marriages as divorces.

There were 926 divorces in Lancaster County in 2001. This represents a rate of 3.7 per 1,000 population, a slight decrease from the previous years (Figure 20). The 2001 divorce rate for Nebraska was 3.6 per 1,000 population.

Among males divorced in 2001, 67.8 percent were divorced for the first time, while among females, 63.9 percent divorced for the first time.

## **AGE AND RACE**

The average age of divorced males was 39.5 years and the average age of divorced females was 37.4 years. The median age of divorced males was 39.0 years, while the median age of divorced females was 37.0 years. The average age of first time divorced males and females was 39.5 and 37.4 years, respectively.

Of the divorces where race was reported in 2001, 90.0 percent divorces involved White males and 92.3 percent of divorces involved White females. Marriage/divorce ratios ranged from 1.8 for Black males to 2.6 for Asian males (Table 39).

## **SETTLEMENT**

In 2001, divorce settlements ranged from no settlement to alimony, child support, property, or a combination of settlements. Table 41 lists the types and frequencies of divorce settlements. Divorces most commonly involved property settlement only (37.3%) or property settlement and child support (29.7%).

## CHILDREN OF DIVORCE & CUSTODY ARRANGEMENTS

Of the 926 divorces in 2001, 509 (54.9%) occurred in households with children under the age of 18. These divorces involved 927 children (1 child per divorce).

Of the 509 divorce settlements involving children during 2001, the divorced woman was awarded exclusive custody of all or some children in 384 (75.4%) of the cases. Divorced men were awarded exclusive custody of some or all children in 47 (9.2%) of these divorces.

In 67 (13%) of divorces, joint custody was awarded for some of all of the children. In 2 (0.4%) of divorces, some or all children were awarded to a party other than the divorced man or woman.

**Table 38.**  
Marriage by Sex and Race  
Lancaster County, 2001

Race	Males	Percent	Females	Percent
White	1756	90.7	1779	91.9
Black	85	4.4	44	2.3
Am.Indian	6	0.3	9	0.5
Asian	62	3.1	84	4.3
Other/Unknown	27	1.4	20	1
Total	1936	100	1936	100

*Lincoln-Lancaster County Health Department*

**Table 39.**  
Marriages/ Divorce Ratio  
Race of Male  
Lancaster County, 2001

Race	Number of Marriages/ Divorce	Ratio
White	1756/833	2.1/1
Black	85/37	2.3/1
Am Indian	6/4	1.5/1
Asian	62/18	3.4/1
Unknow/Other	27/34	0.8/1
Total	1936/926	2.1/1

*Lincoln Lancaster County Health Department*

**Table 40.**  
Number or Times married at the time of Divorce.  
Males and Females  
Lancaster County, 2001

Times Married	Males	Percent	Females	Percent
1	628	67.8	592	63.9
2	193	20.8	220	23.8
3	44	4.8	55	5.9
4	14	1.5	9	1
5	2	0.2	7	0.8
6 or more	0	0	1	0.1
Not Classifiable	45	4.9	42	4.5
Total	926	100	926	100

*Lincoln Lancaster County Health Department*

**Table 41.**  
Types of Settlements  
Lancaster County, 2001

Settlement	Frequency	Percentage
None	131	14.1
Alimony	4	0.4
Child Support	71	7.7
Property Settlement	345	37.3
Alimony and Child Support	4	0.4
Alimony and Property Settlement	47	5.1
Child Support and Property Settlement	275	29.7
Alimony, Child Support and Property Settlement	47	5.1
All Other	0	0
Unknown and Not Classifiable	2	0.2
Total	926	100

*Lincoln Lancaster County Health Department*

## DEFINITIONS

### BIRTHS

**APGAR SCORE** - A system of scoring (10 is the best and 0 is the worst) the physical condition of an infant one minute and five minutes after birth. The conditions tested include the heart rate, respiration, muscle tone, response to stimuli, and color.

**BIRTH ORDER** - The number of live born children, including the current birth.

**BIRTH RATE** - The number of live births per 1,000 population.

**FERTILITY RATE** - The number of births per 1,000 women, age 15 to 44 years.

**LENGTH OF PREGNANCY** - The duration of gestation, in completed weeks, as calculated from the first day of the last normal menses to the date of birth.

**LIVE BIRTH** - The complete expulsion or extraction of a product of conception from its mother, irrespective of the period of gestation, which, after such separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached and is reportable.

**LOW-WEIGHT BIRTH** - A live born infant weighing 5 ½ pounds or less.

**NON-MARITAL BIRTH RATE** - The number of out-of-wedlock births per 1,000 live births.

### DEATHS

**AGE-ADJUSTED DEATH RATE** - A weighted averaging of a crude death rate according to a standard age distribution. An age-adjusted death rate represents what the crude death rate would be if the population for which the rate is adjusted and the standard population had the same age distribution. This procedure allows for the comparison of death rates among populations having different age distributions. The death rates in this report have been adjusted according to the age distribution of the U.S. population in 1990.

**CRUDE DEATH RATE** - The number of deaths from all causes per 1,000 population.

**FETAL DEATH** - Death prior to the complete expulsion or extraction of a product of conception from its mother, irrespective of the duration of pregnancy. Until the pregnancy has reached 20 weeks duration, it is not required that such a death be reported.



**FETAL DEATH RATE** - The number of fetal deaths per 1,000 live births.

**INFANT DEATH** - Death of a person under one year of age.

**MATERNAL DEATH** - Death attributable to delivery or the complications of pregnancy, childbirth or the puerperium.

**MATERNAL DEATH RATE** - The number of maternal deaths per 100,000 live births.

**NEONATAL DEATH** - Death of a person under 28 days of age.

**OCCURRENCE** - The location in which an event takes place irrespective of the usual residence of persons involved.



